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ENVIRONMENTAL SITE ASSESSMENT
FOR THE
HATHAWAY LEASE PROPERTY
AT 10607 NORWALK BOULEVARD IN
SANTA FE SPRINGS, CALIFORNIA 90670

February 25, 2000

Prepared for:

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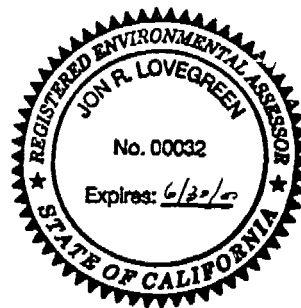
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ATC Tustin Project No. 42.11378.4206, Task 2

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**ENVIRONMENTAL SITE ASSESSMENT
FOR THE HATHAWAY LEASE PROPERTY
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1.0 INTRODUCTION

This report summarizes the results of an environmental site assessment (ESA) conducted for the Hathaway Lease land, located at 10607 Norwalk Boulevard in Santa Fe Springs, Los Angeles County, California (Figure 1). At the time of the assessment, the site was undeveloped industrial land located in the southwest portion of an active oil field. The assessment was conducted by ATC Associates Inc. (ATC) in response to the request and written authorization of Mr. Greg Chila, with The O'Donnell Group, Inc. (O'Donnell) and in general accordance with the contract dated December 6, 1999, between O'Donnell and ATC. Evidence of potential recognized environmental conditions (RECs) pertaining to previous or current on-site activities was identified.

2.0 OBJECTIVE

The objective of the assessment described in this report was to identify to the extent feasible pursuant to the processes prescribed herein, the presence of Recognized Environmental Conditions (RECs) as defined in the American Society of Testing and Materials (ASTM) Standard E 1527-97.

3.0 SCOPE

The scope of services used to meet the objective was in general accordance with ASTM Standard E 1527-97. The Phase I included review of the following readily available information sources:

Task 1: Site and Site Vicinity

- Discussions with personnel familiar with the site and review of available site maps/drawings;
- A site reconnaissance to look for evidence of present and/or past operations that use or may have used potentially hazardous materials; and

- A site vicinity reconnaissance to compile a list of companies/businesses in the immediate site vicinity that are reported to use, or appear to use or produce, hazardous substances that in our judgment may impact the site.

Task 2: Historical

- City of Santa Fe Springs Building and Planning Department records regarding the site; and
- Historical aerial photographs and topographic maps regarding the site.

Task 3: Agency Data

For the site and a 1-mile radius of the site:

- US Environmental Protection Agency (EPA) Nation Priority List (NPL);
- USEPA, RCRA Corrective Action Report (CORRACTS) list; and
- California Environmental Protection Agency (Cal-EPA), Department of Toxic Substances Control (DTSC), Annual Workplan (AWP) list.

For the site and a 0.5-mile radius of the site:

- USEPA Comprehensive Environmental Response, Compensation, and Liability Act List (CERCLIS);
- USEPA, Resource Conservation and Recovery Information System (RCRIS), Resource Conservation and Recovery Act (RCRA) Treatment, Storage, and Disposal (TSD) facilities list;
- California Integrated Waste Management Board (CIWMB) lists of active; inactive and closed; and proposed landfills; and transfer stations and material recovery facilities;
- Regional Water Quality Control Board (RWQCB) underground storage tank leak list;
- CIWMB landfills list; and
- California Division of Oil and Gas (DOG) Wildcat maps.

For the site and parcels adjacent to the site:

- Cal-EPA, DTSC, Cal-Sites list (formerly ASPIS);
- USEPA, RCRIS, RCRA Generators list; and
- California Water Resources Control Board registered underground storage tank (UST) list.

For the site:

- USEPA, Emergency Response Notification System (ERNS) list;
- Review of Los Angeles Regional Water Quality Control Board (LARWQCB) records;
- Review of California DOG records;
- Review of Los Angeles County Department of Public Health Investigation (LACDPHI) records;
- Review of selected site assessment and subsurface investigation reports prepared by others, provided to ATC by O'Donnell;
- Oral communication with Ms. Nellie Gonda, Los Angeles County Department of Public Works (LACDPW);
- Oral communication with Mr. Curtis Menafee, Southern California Edison (SCE).

Task 4: Data Evaluation, Report Compilation, and Management

- After completion of Tasks 1 through 3, the data were evaluated and this summary report was prepared.

4.0 LIMITATIONS

Certain information contained in this report may have been rightfully provided to ATC Associates Inc. by third parties or other sources. ATC Associates Inc. does not make any warranties or representations, whether expressed or implied, regarding the accuracy of such information, and shall not be held accountable or responsible in the event that any inaccuracies are present. The following limitations to data collection were encountered:

- California Division of Oil and Gas (i.e., oil well abandonment logs, etc.) records were not readily available.

The term "hazardous substance" is used here in general accordance with its usage as defined in the following document: Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended. The term's usage in this report also includes petroleum hydrocarbons.

As specified in the ASTM Standard E 1527-97 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," the term REC is used to describe environmental conditions or impacts warranting further inquiry. An REC is defined by ASTM as the presence or likely presence of any hazardous substance or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water of the property.

The term REC includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a material risk of harm to public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.

The terms "material," "waste," and "substances" are used interchangeably, and no legal distinction is implied between the terms as used herein. The words "impact" or "impacted" are used here to mean the effect or result of a release of a hazardous substance that could be judged a REC.

5.0 SITE REVIEW

The following terms are used in this report:

"Site" refers to the property within the approximate boundaries shown in Figures 1 and 2 and described in Subsection 5.1;

"Immediate site vicinity" refers to properties immediately adjacent to the site that share a common boundary with the site; and

"Site vicinity" refers to the area within approximately a 1.0-mile radius of the site.

5.1 Site Setting

The rectangular-shaped site comprises approximately 8.9 total acres of undeveloped industrial land located in the southwest portion of an active oil field. The site is

identified as Assessor Parcel Numbers (APN) 8009-025-008 and is located in Section 6, of Range 11 West, Township 2 South of the USGS Whittier quadrangle. The site is located approximately 800 feet north of the corner of the intersection Norwalk Boulevard and Florence Avenue, in Santa Fe Springs, California. The site is bounded by commercial property to the north; Norwalk Boulevard to the east; Continental Heat Treating (CHT) and another section of the Jalk Fee property (not the site) to the south; and light industrial properties to the west. Site boundary information was obtained from previous site assessment reports for the site provided to ATC by O'Donnell and during the site reconnaissance.

5.2 Site and Site Vicinity Reconnaissance

5.2.1 Site Reconnaissance

Personnel from ATC conducted a site reconnaissance on December 8, 1999. Color photographs of the site are presented in Figure 3. Mr. Pat Park with the Hathaway Oil Company, authorized ATC to enter the site. ATC personnel were unaccompanied during the site reconnaissance (Figure 2).

The site is currently part of an active oil field and consists of approximately 8.9 acres of undeveloped industrial land covered with native vegetation (grasses and weeds) and a dirt access road (Figure 2). The site has been used for oil production from the 1920's to the present. The vegetation over most of the site was low to the ground. The site was traversed in a grid-pattern. A dirt perimeter access road with one branching fork was followed from east to west across the site. On-site structures at the time of the site inspection included the following: four active oil production wells (three along the northern property boundary) and one along the southern property boundary), five oil production wells undergoing various stages of abandonment, and a tank farm consisting of six aboveground storage tanks (ASTs) located on the northwest portion of the site. Non-hazardous construction and municipal debris including broken concrete, construction pipe fittings, and metal piping were observed on the southeast and northwest portions of the site. Broken glass and paper were observed along the eastern border of the site facing Norwalk Boulevard. No obvious evidence of illegal chemical dumping was observed on the site at the time of the site visit. However, surface staining was observed around the base of the active on-site oil wells and around the ASTs within the tank farm. In addition there were several dirt piles that were approximately 5 to 10 feet long, 5 feet wide, and a few feet high present at the site. These piles of dirt had debris including portions of apparently empty 55-gallon drums.

ATC observed several runs of aboveground piping along the southern border of the site running from Norwalk Boulevard west to the business park along the western border of the site. ATC also observed at least two groundwater monitoring housings present at the site. It is not known if these wells are accessible for sampling and analysis.

Utilities at the site would be provided by the following:

Water:	City of Santa Fe Springs
Sewer:	City of Santa Fe Springs
Electricity:	Southern California Edison
Natural Gas:	Southern California Gas Company

Site reconnaissance and review of Federal and State regulatory records and files did not list the site as a current hazardous waste generator or with reported violations or spills.

5.2.2 Visual Asbestos Assessment

A visual survey to identify suspect asbestos-containing building materials (ACBMs) was not performed, as the site is an oil-field property without any on-site buildings.

5.2.3 Site Vicinity Reconnaissance

A site vicinity reconnaissance was conducted by personnel from ATC on December 8, 1999. The site is bounded by commercial property to the north; Norwalk Boulevard to the east; CHT, another portion of the Mobil-Jalk Fee oil lease property (not part of the site) and commercial properties to the south; and commercial properties to the west (Figure 2).

Electrical lines were observed off-site along the north property boundary of CHT and on the northwest portion of the site. No evidence of transformers was noted on site.

Land uses within an approximate 1.0-mile radius of the site included light industrial, commercial, and retail properties and residential development.

5.3 Hydrogeologic Setting

The site is located within the Santa Fe Springs Oil Field on the Santa Fe Springs Plain, which is part of the Montebello Forebay non-pressure area of the Central Basin. Groundwater is found throughout the region under unconfined conditions in the Recent Alluvium and in the Exposition Aquifer. Within the Santa Fe Springs Oil Field, the upper 100 feet of sediments consist of Recent Alluvium, predominantly of permeable sands, with lenses of silty sand and sandy clay, underlain by more than 400 feet of Older alluvium. Beneath this is approximately 300 feet of Tertiary sediments, underlain by basement complex, which is considered bedrock for the purposes of this report.

Based on the USGS 7.5 Minute Series, Whittier, California Quadrangle Topographic Map, dated 1965 and photorevised 1981 (Figure 1), the site is approximately 125 feet above mean sea level; it is unpaved and relatively flat. Storm water runoff from the site would likely percolate into the ground surface or flow towards the south following the natural topography.

According to our review of a Site Assessment report at the LARWQCB, prepared by Alton Geoscience dated October 10, 1997 for the site, the depth to groundwater present beneath the site in July 1996 was reported to range from 62 to 67 feet bgs and the direction of the groundwater flow was to the southwest.

According to Ms. Nellie Gonda, with LACDPW, Hydrologic Records, the depth to ground water at LACDPW Well No. 1625N, located approximately 0.25 mile northwest of the site, was last measured on November 28, 1999 at 62.5 feet bgs. Another LACDPW well, Well No. 1626L, located approximately 0.10 mile southwest of the site, was last measured on March 20, 1996 at 69.4 feet bgs.

Conversations with representatives with the City of Santa Fe Springs, who provide the water for the project area, indicated that there are no known wells on site. The closest producing water wells are located along Telegraph Avenue, approximately 0.25-mile north-northwest of the site.

6.0 HISTORICAL REVIEW

6.1 Local Agency Files

6.1.1 City of Santa Fe Springs Building and Planning Departments

According to Mr. Gill Reem, with the City of Santa Fe Springs Building and Safety Records Division, no building records regarding the approximately 8.9 acre parcel of the site were identified.

The site is not included within the 100 or 500-year flood zone, according to Flood Insurance Rate Map 060158 001 B, dated May 15, 1980.

6.1.2 Los Angeles County Department of Public Health Investigation (LACDPHI)

LACDPHI is the lead agency providing oversight to hazardous materials permitting and hazardous waste site clean up in areas subject to county administration. ATC sent a written request to the LACDPHI for available information pertaining to the site. Files were identified for the site at LACDPHI as well as a file for the property adjacent to the south, CHT.

A discussion of the files ATC reviewed at the LACDPHI follows. The site assessment and subsurface investigation reports reviewed are further discussed Section 8. The items reviewed at the LACDPHI for the site included:

- Draft Subsurface Soil Investigation Report for Jalk Fee Property prepared by Levine-Frike dated December 6, 1991 (copy not included);

- Letter dated September 23, 1993, from McLaren/Hart to Mobil Exploration and Producing U.S., Inc. (Mobil) regarding McLaren/Hart's review of the Jalk Fee property Site Characterization Report prepared by Levine-Frike;
- Letter dated September 30, 1993, from Mobil to the Santa Fe Springs Fire Department, regarding soil contamination identified on the Jalk Fee property. Specifically, tests conducted by Mobil "demonstrate the presence of several contaminants in the soil, the primary ones of which are perchloroethylene (PCE), trichloroethylene (TCE), and 1,2-dichloroethylene (1,2-DCE) originating from an off-site source, CHT";
- Los Angeles County Fire Department (LACFD) memo dated November 5, 1993, regarding a report sent to Mobil. According to the memo, the "report indicates a possible illegal discharge to soil from the PCE degreaser" located on the northern boundary of the CHT property. The memo further states that this possible release warrants an inspection;
- Letter dated October 7, 1994, from Mobil to the Department of Toxic Substances Control (DTSC) regarding clarification of agency oversight at the Jalk Fee property. Mobil indicated that various agencies including the DTSC, LARWQCB, and the Santa Fe Springs fire Department (SFSFD) were notified of the presence of PCE and metals in the soil at the property. "Given that groundwater beneath the site has been identified as being impacted by PCE, Mobil understands that the LARWQCB will assume the lead agency oversight role regarding the PCE issue";
- Limited Subsurface Investigation Report of Tetrachloroethylene (PCE) Impacted Soil and Mobil Jalk Fee Property, Santa Fe Springs, prepared by McLaren/Hart, dated November 15, 1994 (copy not included); and
- Letter dated December 9, 1994, from Mobil to LACFD regarding submittal of the PCE investigation reports for the site.

ATC also reviewed the following items at LACDPHI for the CHT property, adjacent to the south of the site:

- Official Notice of Violation (NOV) No. 042136 from the County of Los Angeles Health Services, dated March 16, 1984. CHT was directed to remove oil from the ground in the rear storage area of their property;
- NOV and Order to Comply dated May 19, 1989. CHT was directed to discontinue the disposal of "any waste oil onto the ground" and to "remove and legally dispose of the oil surface in the rear of the asphalt paved yard." CHT was also directed to "keep the lids and bungs on an

not to overfill the hazardous waste drums" as well as properly labeling all hazardous waste drums;

- LACDPHI Site Inspection Form dated October 6, 1994. According to the site inspection form, CHT was directed to provide a corrective action plan for soil contamination by chlorinated hydrocarbon solvents for the area 120 feet west of the east wall and 30 feet south of the north wall no later than November 20, 1994.
- General Business Plan for CHT (not dated). The following hazardous wastes were listed for the property:
 - 500-gallon oil tank
 - 300-gallons of waste oil stored in drums
 - 200-gallon PCE tank
 - 300-gallons of waste PCE stored in drums
 - 55-gallon drum of acetone
 - 250-gallon ammonia tank
- Material Safety Data Sheets for the chemicals listed above as well as:
 - 2-propanone
 - anhydrous ammonia
- LACFD Case Synopsis of CHT dated October 19, 1995 (copy not included). According to the case synopsis:
 - LACFD received a complaint from Mobil alleging CHT was responsible for all or part of the chlorinated volatile organic chemical (VOC) impacts to the site. The complaint was referred to the Enforcement Unit for action on November 4, 1993. No enforcement activity by September 27, 1994 prompted a routine complaint inspection on October 6, 1994.

According to October 6, 1994 inspection report, the employees at CHT were interviewed by LACFD inspector regarding any knowledge of improper disposal or leaking or spillage of vapor degreasing solvents anywhere on the property. The LACFD inspector noted that none of the CHT employees had any knowledge of any improper disposal, spillage, or leaks of materials from the property. The inspector noted that "although the industrial vapor degreaser unit had been moved from its original location within the shop area of CHT, it appeared that the former location was close enough to the northern property line that leaks, sloppy operations or spills could have migrated off-site." This inspection resulted in NOV #P14042, which included an order to provide a correction action plan for the old vapor degreaser area.

- Three soil samples were taken from one boring (B-1) immediately adjacent but exterior to the concrete sump of the old industrial vapor degreaser as part of a preliminary assessment. The samples were collected at 0.5 feet, 5 feet, and 10 feet bgs, respectively. TCE was detected in the soil samples at concentrations ranging from 4,759 micrograms per kilogram ($\mu\text{g/kg}$) from the sample at 0.5 feet bgs to 66 $\mu\text{g/kg}$ from the sample at 10 feet bgs. PCE was detected in the soil samples at concentrations ranging from 7,514 $\mu\text{g/kg}$ at 0.5 feet bgs to 1,855 $\mu\text{g/kg}$ at 10 feet bgs.

LADFD concluded that these results warranted sufficient documentation of a significant release and warranted a remedial investigation of this area. A letter was sent to the owner of CHT, Mr. Stull, on July 5, 1995, requiring him to assess the extent of the contamination and to submit a site mitigation workplan. The LACFD received a workplan prepared by Green Environmental on October 11, 1995 (not in LACDPHI files). There was no further information regarding what actions may have been taken at CHT.

Based on this information reviewed at the LACDPHI, there appears to have been a documented release of chlorinated solvents at the CHT site within the vicinity of the reported PCE impacted soil discovered at the site by Mobil (Mobil Letter dated September, 30, 1993).

6.1.3 City of Santa Fe Springs Fire Department (SFSFD)

ATC reviewed files for the site at the SFSFD. A summary of the file information is presented in Section 8.

6.1.4 Los Angeles Regional Water Quality Control Board (LARWQCB)

ATC reviewed files for the site at the LARWQCB. A summary of the file information is presented in Section 8.

6.1.5 South Coast Air Quality Management District (SCAQMD)

ATC sent a written request for file information for the site to the SCAQMD. According to the SCAQMD, there are no records for the site.

6.2 Fire Insurance Maps

A search for historical (1867-1990) Sanborn fire insurance maps of the site and surrounding properties was conducted by Environmental Data Resources-Sanborn (EDR) of Southport, Connecticut. No Sanborn maps were identified for the site.

6.3 Aerial Photographs/Topographic Maps

ATC reviewed historic aerial photographs for the site obtained from City of Santa Fe Springs Planning Department, Santa Fe Springs, California and the University of California Los Angeles Aerial Photo Archive, Westwood, California. Photographs dated 1928, 1936, 1947, 1949, 1958, 1964, 1966, 1969, 1974, 1977, 1991 and 1999 were reviewed.

The site was depicted as a working oil field in all of the photographs. Eight oil wells and three oil well sumps were visible on the site in the 1928 and 1936 aerial photographs. An aboveground tank farm with ten ASTs was visible along the southeast corner of the site. No buildings were depicted on the site. Norwalk Boulevard was visible to the east. The surrounding properties to the north, west and east were depicted with oil production-related activities. The area adjacent to the north was depicted with several oil wells and oil well sumps. The area to the south was depicted as agricultural land in the 1928 aerial photograph but with oil production-related activities in the 1936 aerial photograph.

In the 1947, 1949, and 1958 aerial photographs, the site was depicted similarly as shown on the 1928 and 1936 aerial photographs with the following exceptions: the AST farm on the southeast side of the site was no longer present; an AST farm with a total of four ASTs were present on the northwest corner of the site; only one sump was depicted in the 1958 aerial photograph; and only five oil wells were visible on-site. The area surrounding the site was still depicted with oil production-related activities. Low-density commercial development was depicted approximately 0.25 mile south facing Norwalk Boulevard.

In the 1964, 1966, 1969, and 1974 aerial photographs the site was depicted with four oil wells. The appeared similarly as shown on the 1947, 1949, and 1958 aerial photographs with the following exceptions: four oil wells were depicted three along the northern property boundary and one along the southern property boundary; no oil well sumps were depicted on the site; the areas to the north, east and south were now depicted with commercial development; and buildings that appeared similar to the buildings existing today were depicted adjacent to the north and south of the site, respectively, in the 1969 aerial photograph and 1974 aerial photographs.

The 1977, 1991 and 1999 aerial photographs depicted the site and surrounding area as it exists today.

Based on a review of these photographs, obvious indicators of potential sources of hazardous waste from land use, such as oil-field-related developments and oil well sumps, were shown at the site. With the exception of the oil-related activities, no other information was obtained from the historical aerial photograph review that would indicate environmental impairment to the site.

ATC reviewed a 7.5 minute USGS topographic map, Whittier Quadrangle, California (1965, photorevised 1981), that depicted the site as undeveloped land with eight oil wells

depicted across the site (east/west orientation). Information was obtained from the historical aerial photographs and topographic map review that would indicate potential environmental impairment to the site.

6.4 City Directory

Available historical city directories (GTE and Haines directories) obtained from Environmental Data Resources, Inc (EDR) City Directory Abstract for the years spanning 1962 through 1998 were reviewed by ATC in order to determine previous and current occupants of the site. There was no listing for the site address in directories covering the years 1962 and 1998. Nearby street addresses were also reviewed, and indicate that development of the surrounding area consisted of residential and university related properties. The majority of nearby addresses were not listed in the city directories. Addresses for the area east of Norwalk Boulevard and north of the site facing Norwalk Boulevard indicated retail and residential development. Addresses for the south and west sides of the site were not listed.

6.5 Division of Oil and Gas

ATC reviewed a publication of oil and gas prospect wells drilled in California through 1980 [California Division of Oil and Gas (CADOG), 1982] showing the site vicinity (CADOG, 1986). According to the published information reviewed, the site is located within the limits of the Santa Fe Springs Oil Field. Oil and/or gas production activity has been reported to have occurred at the site.

The site has nine oil wells identified as the Hathaway Jalk Wells. Five of these wells, Jalk 2, 111, 112, 113, and 117, were observed at the time of the site visit. The nine oil wells at the site are in various stages of abandonment. Abandonment activities were being conducted at the time of this ESA. Therefore, the oil well abandonment documentation for the site was incomplete at the time of this assessment.

7.0 AGENCY LIST REVIEW

To conduct some parts of the regulatory review for this environmental assessment, the services of EDR were used and their report was provided to ATC. A copy of the database report that was provided by EDR and is the basis for most of the following agency information is provided in Appendix A. In the following sections, only facilities that are located in the immediate site vicinity or those that are located upgradient (but are not necessarily located near the site) are discussed. These facilities were selected based on the assumption that hazardous material released to the subsurface generally does not migrate laterally within the soil for a substantial distance, but that hazardous material can migrate in the groundwater in a generally downgradient direction. However, there are limitations to this interpretation. Groundwater is reported to flow to the southwest.

The federal and state database report includes a section entitled "Unmapped Sites." The locations of the facilities listed in this section could not be mapped due to incomplete or inaccurate information. ATC reviewed this section and compared the names and addresses (if available) with information obtained during the local vicinity reconnaissance and review of a 1997 Thomas Brothers Street Guide for Los Angeles/Orange Counties. If the cross reference cannot be made, it is assumed that the facilities are not within the specified search radius. Fifteen unmapped facilities were listed and none were identified to be within the search radius of the site.

7.1 Federal NPL Superfund Sites

Federal NPL Superfund sites are facilities that have been assigned the highest priority for cleanup by USEPA pursuant to the USEPA Hazard Ranking System. According to the database report, no NPL facilities are located within a 1-mile radius of the site.

7.2 Federal CERCLIS List

The CERCLIS list is an USEPA-maintained database of potential hazardous waste properties that have come to the attention of the USEPA, which discovers these properties through citizen reports, routine inspections of hazardous waste generators and treatment, storage, and disposal facilities, and reporting requirements. Properties on the CERCLIS list are not necessarily hazardous waste properties, but instead properties that the USEPA plans to investigate in the future or has already investigated. According to the database report, the site is listed on the CERCLIS list and one CERCLIS listed facility is located within a 0.5-mile radius of the site. The site is listed as the Jalk Fee property located at 10607 Norwalk Boulevard. According to the EDR database report, the site is not listed on the NPL list but is listed on the Cal-Sites and California SLIC list 1977, 1991 and 1999. The site incident category was listed as "not reported," the assessment history was listed as "under discovery," and the CERCLIS site regulatory status was listed as "not report." The Cal-Sites database lists the regulatory status as "does not require DTSC action, referred to the RWQCB for oversight." The database indicates the facility is under a voluntary clean-up program. ATC reviewed files for the site at the LACDPHI, the LARWQCB, and the City of Santa Fe Fire Department. A discussion of the agency file review information is presented in Section 8.0. Extensive subsurface investigation activities have been conducted at the site and the current property leasee is the active responsible party. The extent of the on-site hydrocarbon and VOC impacts to the soils/ and/or groundwater at the site have been defined and reportedly remediated. Based on this information ATC considers the CERCLIS listing to represent a low environmental concern to the site.

CHT at 10643 S. Norwalk Boulevard is located adjacent to the south of the site. According to the EDR database report, this facility is listed with a regulatory status of "assessment under discovery." No other information was listed for the CERCLIS listing. The facility is also listed on the RCRIS list as a hazardous waste generator with a history of violations. Further discussion of this facility is presented in Section 6.1.2 and Section

8.0. Based on the proximity to the site and the information presented in Sections 6.1.2 and Section 8.0, ATC considers this facility to represent an environmental concern to the site.

7.3 USEPA RCRA TSD Facilities List

The RCRA TSD list is a database maintained by USEPA for facilities at which treatment, storage and/or disposal of hazardous waste takes place, as defined and regulated by RCRA. According to the database report, no TSD facilities are located within a 0.5-mile radius of the site.

7.4 USEPA RCRA TSD CORRACTS Facilities List

The RCRA TSD Corraacts list is a database maintained by USEPA that identifies hazardous waste handlers with RCRA corrective action activity. According to the database report, no TSD CORRACTS facilities are located within a 1-mile radius of the site.

7.5 USEPA RCRA Generators List

The RCRA generators list is a database maintained by USEPA of those facilities, entities, or persons that generate hazardous waste as defined and regulated by RCRA. According to the database report, the site is not listed on the RCRA Generators list. Six RCRA Small Quantity Generator (RCRA-SQG) facilities and one RCRA Large Quantity Generator (RCRA-LQG) facility are listed within a 0.25-mile radius of the site. The following is a discussion of the RCRA SQG facilities:

CHT is located adjacent to the south of the site. According to the EDR database report, the facility is listed with a regulatory status of "violation information exists." This information is summarized in Section 6.1.2. Additionally, the facility had a reported release to the soil of chlorinated hydrocarbons. Based on the information ATC reviewed for this facility and the proximity of the facility, ATC considers this facility to represent a moderate potential environmental concern to the site.

Duncan Industries at 12110 Clark Street is located approximately 0.10-mile northeast of and potentially upgradient from the site. According to the EDR database report, the facility is listed with a status of "no violations found."

International Label and Tape at 10536 Norwalk Boulevard is located approximately 0.10 north of and potentially crossgradient from the site. According to the EDR database report, the facility is listed with a status of "no violations found."

Yellow Freight System Inc. at 12250 Clark Street is located approximately 0.2 mile east of and potentially crossgradient from the site. According to the EDR database report, the facility is listed with a status of "no violations found."

Imperial Western Surplus Company at 12246 Park Avenue is located approximately 0.25-mile northeast of and potentially upgradient from the site. According to the EDR database report, the facility is listed with a status of "violations found." The facility is listed with one Compliance Evaluation Inspection violation for generator requirements.

Texaco Inc. listed as near Norwalk Boulevard and Telegraph Road is located approximately 0.25-mile northwest of and potentially crossgradient from the site. According to the EDR database report, the facility is listed with a status of "no violations found."

The RCRA-LQG facility, Trojan Battery Company, at 12380 Clark Street is located approximately 0.20-mile northwest of and potentially crossgradient from the site. According to the EDR database report, the facility is listed with a status of "no violations found."

With the exception of the CHT facility, based on the distance, location with respect to reported groundwater flow, and/or regulatory status, ATC considers these facilities to represent a low potential for environmental concern to the site.

7.6 USEPA ERNS List

The ERNS list is the USEPA list of reported CERCLA hazardous substance releases or spills in quantities greater than the reportable quantity, as maintained at the National Response Center. According to the database report, the site is not listed.

7.7 Cal-EPA, DTSC Annual Workplan List

Information contained in the DOHS's Expenditure Plan for the Hazardous Substances Cleanup Bond Act of 1984, commonly referred to as BEP or California Superfund, has been eliminated and is now incorporated into the Cal-EPA Annual Work Plan (AWP) List. Information contained in the AWP List indicates that the site is not listed as an active AWP site. Additionally, there is one listed AWP site within an approximate 1-mile radius of the site. Walker Properties at the southwest corner of Bloomfield Avenue and Lakeland Drive is located approximately 0.75-mile southeast of and potentially crossgradient from the site. According to the EDR database report, the facility is listed with a status of "certified as having been remedied satisfactorily under DTSC oversight." Based on the regulatory status, distance from the site, and location, ATC does not consider this facility to represent an environmental concern to the site.

7.8 Cal-Sites

The Cal-Sites (formerly ASPIS) is a Cal-EPA maintained database of active and inactive cases of the site evaluation and/or site survey programs. The database is used as a tracking system for present or former sites by Cal-EPA. According to the database, the site is listed on the Cal-Sites list and nine Cal-Sites facilities are listed within a 1-mile radius of the site. The site is listed as the Hathaway Oil Company with a regulatory status of "does not require

DTSC action or oversight activity and referred to another lead agency.” The database indicates the facility is under a voluntary clean-up program. As discussed in Section 7.2 above, ATC reviewed files for the site at the LACDPHI, the LARWQCB, and the City of Santa Fe Fire Department. A discussion of the agency file review information is presented in Section 6.1.2 and/or Section 8.0. Extensive subsurface investigation activities have been conducted at the site and the current property leasee is the active responsible party. The extent of the on-site hydrocarbon and VOC impacts to the soils/ and/or groundwater at the site have been defined and reportedly remediated. Therefore, ATC considers the Cal-Sites listing to represent a low environmental concern to the site.

7.9 Landfills (SWLF)

CIWMB maintains a list of active and inactive landfills and transfer stations in California. Generally, CIWMB learns of locations of landfills through permit applications and from local enforcement agencies. The CIWMB indicated that no facilities are located within a 0.5-mile radius of the site.

7.10 Underground Storage Tanks (USTs)

USTs can be sources of hazardous materials that could potentially impact the soil around the tanks and the underlying groundwater if leakage of the contents of the tanks or associated piping were to occur. Information concerning permitted USTs within a 0.25-mile radius of the site was obtained from the database report.

7.10.1 Permitted USTs

Information regarding registered USTs is maintained by the SWRCB. According to the database report, the site is not listed on the database and eight facilities (one facility was listed twice) are located within a 0.25-mile radius of the site. CHT is located adjacent to the south of the site. This facility is listed on the UST database as having one 6,000-gallon unleaded UST installed in 1973. ATC requested to review the UST file for CHT at the SFSFD. The file was not readily available, however, SFSFD database listed the facility as no longer having a permitted UST. The removal information was not included on the database.

Neilson Freight Lines (also known as Yellow Freight Systems) at 12250 Clark Street is located approximately 0.2 mile east of and potentially crossgradient from the site. The facility is listed on the database with six USTs. This facility is also listed on the leaking UST (LUST) list and is further discussed below.

Sunrise Landscape at 12542 is located approximately 0.35 mile east of and potentially upgradient from the site. This facility also listed on the leaking UST (LUST) list and is further discussed below.

System 99 at 10445 Norwalk Boulevard is located approximately 0.20 mile north of and potentially crossgradient from the site. This facility is listed on the LUST list and is further discussed below.

Superior Oil Tool at 10727 Norwalk Boulevard is located approximately 0.25 south of and potentially crossgradient from the site. This facility is listed on the LUST list and is further discussed below.

Chevron Station #9-5306 at 12155 Telegraph Road is located approximately 0.25-mile northwest of and potentially crossgradient from the site. This facility is listed on the LUST list and is further discussed below.

The remaining two permitted UST facilities are not located adjacent to or potentially upgradient from the site. These facilities are not listed on the LUST list. Based on distance, location and no record of a release, ATC considers these facilities to present a low potential for environmental concern to the site.

7.10.2 UST Releases

The RWQCB and the SWRCB maintain records of facilities currently under involved in site assessment/mitigation resulting from reported spills or releases from USTs. Records available for the site vicinity pertinent to UST releases were obtained and reviewed by personnel from ATC. According to the records, nine LUST facilities are located within a 0.5-mile radius of the site. These facilities are discussed below:

Yellow Freight Systems at 12250 Clark Street is located approximately 0.2 mile east of and potentially crossgradient from the site. According to the EDR database report, the facility had a release of gasoline to the soil in May 1990. The leak was discovered during tank closure activities. The regulatory status was listed as "post remedial action monitoring in progress" and the abatement method was listed as "excavate contaminated soil and dispose in an approved site." The EDR database report indicates the facility was conducting quarterly monitoring in 1998. The facility has an identified responsible party. Although the facility is not a closed case and was referred to the RWQCB SLIC program for oversight, ATC considers this facility to represent a low potential for concern to the site. The most recent tracking date for the facility was listed as June 1998.

Sunrise Landscape at 12542 is located approximately 0.35 mile east of and potentially upgradient from the site. According to the EDR database report, the facility had a release of diesel to the soil only in June 1992. The regulatory status is listed as "signed off, remedial action completed or deemed unnecessary." The facility is listed with a "site closure" date of March 7, 1994.

Heritage Corporate Center (also known as System 99) at 10445 Norwalk Boulevard is located approximately 0.20 mile north of and potentially crossgradient from the site. According to the EDR database report, the facility had a release of diesel to the soil only

in March 1990. The regulatory status is listed as "signed off, remedial action completed or deemed unnecessary." The facility is listed with a "site closure" date of June 18, 1991.

Chevron Station #9-5306 at 12155 Telegraph Road is located approximately 0.25-mile northwest of and potentially crossgradient from the site. According to the EDR database report, the facility had a release of gasoline to the soil only in October 1991. The regulatory status is listed as "signed off, remedial action completed or deemed unnecessary." The facility is listed with a "site closure" date of October 17, 1996.

Brothers Auto at 10801 Norwalk Boulevard is located approximately 0.3 mile south of and potentially crossgradient from the site. According to the EDR database report, the facility had a release of gasoline to the soil only in March 1999. The regulatory status is listed as "signed off, remedial action completed or deemed unnecessary." The facility is listed with a "site closure" date of March 29, 1999.

Superior Oil Tool at 10727 Norwalk Boulevard is located approximately 0.25 south of and potentially crossgradient from the site. According to the EDR database report, the facility had a release of diesel to the soil only in September 1990. The regulatory status is listed as "signed off, remedial action completed or deemed unnecessary." The facility is listed with a "site closure" date of April 7, 1994.

The remaining three facilities are approximately 0.25 mile distant from the site and are not located upgradient from the site. These facilities are listed with a regulatory status of "case closed."

Based on the regulatory status, distance from the site, and/or location, ATC considers these facilities to represent a low potential for environmental concern to the site.

8.0 REPORT REVIEWS

Selected environmental reports for the site were reviewed by ATC at the LARWQCB, the LACDPHI, and SFSFD as well as reports for the site provided to ATC by the client. The following discussion is a chronology/summary of the site assessment and remediation reports reviewed for this assessment. The records reviewed are referenced in Section 11.

The Jalk Fee property has been used for oil production from the 1920s to present. The current tenant, the Hathaway Company, has conducted oil production activities at the site from the early 1980's to present. From approximately 1920 to 1942, a small oil refuse yard (referred to as the boneyard area) formerly located on the southwest portion of the site was used for the storage of metal objects (Levine-Frike, 1991; McLaren/Hart, 1996).

Trucking operations were reported performed in the central portion of the site, although the time frames are not specifically identified. Additionally, the northeastern portion of

the site was, at one time, leased to a company that reportedly used solvents (again the dates, and additional details were not indicated) (McLaren/Hart, 1994).

Based on historic aerial photographs reviewed by McLaren/Hart, between the late 1920's and early 1930's, ASTs were located on the southeastern portion of the site. Five previous wells were reported to have been abandoned on the property and approximately eight former oil sumps associated with the oil drilling activities were also observed in historic aerial photographs (McLaren/Hart, 1994).

ATC's review of historic aerial photographs for this and identified three oil sumps on the site; several oil sumps were depicted on the site adjacent to the north of the site.

Additionally, an ongoing groundwater characterization study was reported conducted by the Oil Field Reclamation Project on approximately 272 acres of undeveloped land to the northeast of the site. One sector of this study area is reported to be approximately 750 feet northeast of and potentially upgradient from the site. The results of this study suggested that dissolved-phase petroleum hydrocarbons have impacted groundwater regionally with VOCs including benzene, PCE, and TCE (McLaren/Hart, 1996).

In August 1988, a geophysical survey, surface soil sampling, and a soil boring program were partially completed at the site. The results of this work indicated that solvent vapors were detected in borings drilled in the eastern portion of the site (Woodward-Clyde, 1988).

Between November 1990 and September 1991 a field investigation study was conducted by Levine-Frike which included a shallow methane gas survey, the excavation of shallow trenches in eight suspected former sump areas, and 27 shallow soil borings to depths ranging from 20 to 55 feet bgs. Maximum concentrations of 2,500 parts per million (ppm) PCE were detected in a trench soil sample located in the southeastern portion of the property, at a depth of approximately four feet bgs. A maximum concentration of 29,000-ppm petroleum hydrocarbons was detected in a soil sample collected from the southeastern portion of the property. A concentration of 0.037 ppm PCE was also detected in a surface sample collected along the northern property boundary (Levine-Frike, 1991). The results from this investigation indicated the presence of petroleum hydrocarbon and VOC impacted soil at the site. Further assessment was recommended (Levine-Frike, 1991).

Groundwater monitoring wells, referred to as MMW-3 through MMW-5 were installed at the site by McLaren/Hart in January 1994. Two additional groundwater monitoring wells (MMW-1 and MMW-2) were installed in nearby off-site properties in the Mobil Operated Santa Fe Springs Oil Field. These wells were installed to assess whether past oil production activities had impacted groundwater at the site and nearby properties (McLaren/Hart 1994a).

In May 1994, soil treatment was initiated in two bioremediation cells (referred to as Cell #1 and Cell #2) at the site. The purpose of the soil bioremediation cells was to degrade

petroleum hydrocarbon impacted soil from the site (approximately 720 cubic yards) as well as soil imported from three nearby off-site Mobil Oil operated properties which included a total of approximately 33,550 cubic yards of soil. The bioremediation cells operated from May 1994 until December 1997. Confirmation soil samples were collected from the cells in December 1995 and closure of the bioremediation cells was received in a letter from the LARWQCB dated April 9, 1997 (McLaren/Hart, 1994b).

Between July and September 1994, a total of eighteen Geoprobe borings (referred to as GP-1 through GP-18) were advanced at the site by McLaren/Hart to total depths ranging from 30 to 48 feet bgs in the southeastern portion of the site. PCE was reported detected in boring GP-6 at a depth of approximately 15 feet bgs (maximum concentration reported as 55,000 ppm). The maximum concentration reported of 27,000 ppm total recoverable hydrocarbons (TRPH) was detected in boring GP-1 at a depth of approximately 20 feet bgs (McLaren/Hart, 1994b). Refer to the McLaren/Hart, 1994 report referenced in Section 11 for the boring locations.

In December 1995, additional site assessment activities were conducted by McLaren/Hart to: determine the presence of TPH along the north, south, and east perimeters of the tank battery; to verify that remediation activities did not impact the native soil beneath the former bioremediation cells; to further define/verify the lateral and vertical extent of the PCE impact to the soil in the area adjacent to CHT; and to assess if former trucking operation activities impacted subsurface soils. These site assessment activities included the drilling and advancement of (McLaren/Hart, 1996):

- A total of 16 Geoprobe borings referred to as MH-2 through MH-6, (advanced along the northern and southern perimeters of the tank battery and near Jalk 112) MH-7 through MH-9 on the northwest portion of the site; MH-10, MH-11 on the northeast portion of the site; and GP-19 through GP-24 on the southeast portion of the site to total depths of up to 40 feet bgs;
- One continuously sampled Geoprobe boring referred to as MH-4 to a total depth of approximately 42 feet bgs in the southeast portion of the site;
- Twenty hand auger borings to total depths of approximately one foot bgs in the vicinity of the bioremediation cells formerly located on the central portion of the site (13 soil samples from Cell #1 and 7 from Cell #2);
- Two hollow-stem auger borings (referred to as MB-1 and MB-2) to depths of approximately 60 feet bgs to further characterize the vertical extent of impacted soil in the southern portion of the site (in the areas with the highest recorded concentrations of PCE); and
- Nine soil gas probes (referred to as SG-1 through SG-9) in the area of the former trucking operations in the central portion of the site (outside the

suspected fringe of the PCE impacted area) to depths of approximately 5 and 10 feet bgs.

Select soil samples from the on-site borings were analyzed for TPH carbon chain speciation using EPA Method 8015, BTEX using EPA Method 8020, VOCs using EPA Method 8240, and halogenated VOCs (HVOCs) using EPA Method 8010. The maximum concentration reported as 13,000 ppm TPH (motor oil range) was detected in boring MH-2, in the oil production well (Jalk 112) and tank battery area, at a depth of approximately 10 feet bgs. TPH concentrations (diesel fuel range) ranging from 55 to 700 ppm were reported detected in the samples collected from Cell #1 and ranging from 11 to 4,600 ppm in soil samples collected from Cell #2. The maximum concentration reported of 1,600 ppm TPH (motor oil range) in the northwest perimeter and northeast perimeter soil samples was detected in boring MH-8 at a depth of approximately 1 feet bgs (McLaren/Hart, 1996). HVOCs were detected in the soil gas samples.

Based on the results of the December 1995 assessment and the previous site assessment activities no further action was recommended in the following areas (McLaren/Hart 1996):

- The former bioremediation cell areas of the site. The soil gas survey activities conducted in this area were reported with a maximum concentration of 3 parts per billion (ppb) PCE in vapor;
- The northeastern portion of the site. Soil samples collected in the northeastern portion of the site were reported with petroleum hydrocarbon concentrations below laboratory detection limits or below cleanup standards as reported in the LARWQCB "Interim Site Assessment and Cleanup Guidebook" dated May 1996;
- The northwestern portion of the site and the AST farm (also referred to as the AST battery) area. In the northwestern portion of the site, the maximum concentrations of petroleum hydrocarbons were detected in a soil sample collected in July 1991 at a depth of approximately 2.5 feet bgs. Additional soil sampling results in this area reported concentrations below laboratory detection limits or below cleanup standards as reported in the LARWQCB "Interim Site Assessment and Cleanup Guidebook" dated May 1996;

In the southeastern portion of the site, maximum concentrations of 55,000 ppm PCE and 2,700-ppm TCE were reported detected in a soil sample from boring GP-6 at a depth of approximately 15 feet bgs. A maximum concentration of 27,000-ppm TRPH was reported detected in boring GP-1 at a depth of 20 feet bgs. A maximum concentration reported as 4,100 ppb PCE was detected in boring MB-1 at a depth of 25 feet bgs (PCE was reported detected below laboratory reporting limits in boring MB-1 at 59 feet bgs). A maximum concentration reported as 180 ppb TCE was detected in boring GP-24 at a depth of 10 feet bgs. Further investigation was recommended for this area

(McLaren/Hart December 1996b; Alton Geoscience, October 1997). Refer to the McLaren/Hart December 1996b report and the Alton Geoscience October 1997 report referenced in Section 11 for boring locations.

In March 1997, monitoring wells MMW-3 through MMW-5 were developed by Alton Geoscience and groundwater samples were collected. Groundwater samples were analyzed for TPH as gasoline (TPH-g), BTEX, HVOCs, metals, and water quality. Dissolved-phase PCE and TCE concentrations were reported detected in MMW-3 through MMW-5 (maximum concentrations of 1,100 and 88 ppb, respectively). 1-1, dichloroethylene (1,1-DCE) was reported detected in MMW-3 at a concentration of 2 ppb. BTEX was not reported detected in any of the monitoring wells. A maximum concentration of 0.011 milligrams per liter (mg/l) mercury was reported in CAM metals analysis results for MMW-3. This concentration exceeds the primary drinking water maximum contaminant level (MCL) of 0.002 mg/l for mercury (Alton Geoscience, 1997). An off-site upgradient source for dissolved-phase VOC's was identified in a previous report prepared by others. Alton Geoscience concluded that the off-site upgradient source was likely contributing to the dissolved-phase PCE and TCE present in the on-site wells (Alton Geoscience, 1997).

Between June 1997 and July 1997, 22 on-site geoprobe borings (GP-25 through GP-46) and nine soil borings (HS-1 through HS-9) were drilled by Alton Geoscience to depths ranging from 17 to 62 feet bgs. No groundwater was reported encountered during the drilling. The purpose of this investigation was to further characterize the distribution of previously identified solvent and petroleum hydrocarbon constituents beneath the southeastern portion of the site, collect hazardous chemical constituent and physical parameter soil data in order to obtain a data set for use in fate and transport modeling and a quantitative human health risk assessment (Alton Geoscience, 1997).

Select soil samples from the 22 on-site geoprobe borings were analyzed for TRPH using EPA Method 418.1, TPH carbon chain speciation using EPA Method 8015, halogenated VOCs using EPA Method 8260, CAM metals and organochlorine pesticides and PCBs.

TRPH was reported detected in soil in the southern and eastern portions of the site. TRPH concentrations above 100 ppm were reported to extend from the surface to a depth of approximately 15 feet bgs. The maximum concentration reported of 9,100 ppm TRPH was detected in boring GP-25 at a depth of approximately 10 feet bgs (Alton Geoscience, 1997). Residual HVOC solvents were reported present from grade to a total depth of 61 feet bgs. PCE concentrations in excess of 100 ppb were detected in 12 soil samples (southeastern portion of the site) and PCE concentrations above 1,000 ppb were detected in two soil samples (GP-40 at 5 feet bgs and GP-31 at 35 bgs, southwestern portion of the site). CAM metals, organochlorine pesticides and PCBs were not reported detected in any of the samples collected. Refer to the Alton Geoscience, October 10, 1997 report referenced in Section 11 for boring locations.

Subsequent to the site investigation activities conducted by Alton Geoscience in July 1997, Alton Geoscience conducted a fate and transport modeling study for both the chlorinated solvents and the petroleum hydrocarbon compounds identified on-site.

According to their study, the fate and transport modeling demonstrated that the residual chlorinated solvents and the petroleum hydrocarbon compounds identified on-site present an "insignificant threat to groundwater" (Alton Geoscience, 1997).

In order to evaluate the potential for human exposure to residual solvent and petroleum hydrocarbon compounds in the subsurface soil, Alton Geoscience performed a qualitative human health risk assessment. A qualitative evaluation of potential human exposure pathways was performed for the site. Based on the human health risk assessment, Alton Geoscience proposed the following activities (Alton Geoscience, 1997):

- Excavation of areas of chlorinated solvent and petroleum hydrocarbon-affected soil to a maximum depth of 15 feet bgs;
- Conducting verification sampling along the sidewalls of the excavation to confirm removal of near surface petroleum hydrocarbon and solvent-affected soil; and
- Disposal of impacted soils off-site to an approved disposal/recycling facility.

Remedial excavation activities were conducted in June 1988 by Alton Geoscience. Remedial excavations were performed in three separate locations (referred to as Excavations I, II, and III). Excavations I and II were located along the southeastern property boundary and Excavation III was located in the eastern, central portion of the site. A total of approximately 2,600 tons of chlorinated solvent and/or petroleum hydrocarbon-affected soil were removed during these remedial activities. Verification soil sampling was conducted and each excavation was backfilled with imported fill from the West Coast Sand and Gravel facilities in Irwindale and Riverside, California. The results of the verification soil sampling analysis for each of the excavations indicated the following:

- Accessible concentrations of TRPH greater than 1,000 ppm were removed from all portions of Excavations I, II and III, with the exception of a limited area along the southern sidewall of Excavation III;
- The maximum concentrations of PCE and TCE detected during excavation activities were from a sample collected from Excavation II at approximately 15 feet bgs.

In combination with the qualitative risk assessment and the remedial excavation activities conducted at the site, Alton requested site closure for the near surface soils from the RWQCB.

9.0 DISCUSSION

9.1 On-Site Potential Sources

Historical records, including aerial photographs, topographic maps, information provided to ATC by O'Donnell, and interviews with City of Santa Fe Springs personnel indicated

that the site has had oil field operations from at least 1928. These oil field operations have continued up to the time of this ESA. The oil-field operations included nine oil wells across the site, an area of relatively small oil-storage ASTs in the northwestern part of the site, a "boneyard" in the southwestern part of the site, and piping (of generally small diameter) across the site (particularly along the western, southern, and eastern perimeter of the site. These operations resulted in a number of impacts at the site that are reported to have been remediated. These impacts included the presence of petroleum hydrocarbons and possibly VOCs in near-surface soils in selected areas of the site and elevated concentrations of metals in the former boneyard in the southwestern part of the site. As discussed below in Section 9.2, it is likely that an off-site source adjacent to the southeastern part of the site has been a source of VOCs in near-surface soils at the site.

Extensive remediation activities are reported to have removed the soil impacted with petroleum hydrocarbons and VOCs. The boneyard is reported to have been excavated, its contents removed from the site, and the excavation backfilled.

It is expected that elevated concentrations of petroleum hydrocarbons and VOCs may remain beneath the pipelines along the southern side of the site. Elevated concentrations of petroleum hydrocarbons may also be present in the vicinity of the nine oil wells at the site, in the area in the southwestern part of the site where petroleum hydrocarbons appeared to have been release southwest of oil well Jalk 2, in the area of the AST farm, and areas where piping remains. They may also be present at unknown locations across the site as are often found in oil-field environments.

This area of Santa Fe Springs is not reported to have elevated concentrations of methane gas; however there are no site data that ATC is aware of that address the presence or absence of methane gas.

At least two groundwater monitoring housings are present at the site. It is not known if these wells are accessible for sampling and analysis.

The nine oil wells at the site are in various stages of abandonment. Abandonment activities were being conducted at the time of this ESA.

Based on the information summarized in this ESA, it is the judgment of ATC that there are no Recognized Environmental Conditions (RECs) at the site. There are a number of environmental concerns in the judgment of ATC. They include the potential for:

- ° Elevated concentrations of petroleum hydrocarbons to be present in the vicinity of the piping (particularly along the southern side of the site), the oil wells, the AST farm, and elsewhere across the site;
- ° Elevated concentrations of VOCs to be present in the vicinity of the pipelines along the southern side of the site and in the area previously remediated (these may be solely from an off-site source adjacent to the southeastern part of the site);
- ° Drilling mud to be encountered at the site with elevated concentrations of heavy metals;

- PCBs to be present where elevated concentrations of petroleum hydrocarbons are present;
- Methane gas to be present at elevated concentrations; and
- Shallow groundwater to be impacted.

It is recommended that a subsurface investigation be conducted to evaluate the significance (if any) of these potential concerns. ATC also recommends that the oil well abandonment documentation be obtained from the CADOG when available.

9.2 Off-site Potential Sources

An ongoing groundwater characterization study was reported as being conducted by the Oil Field Reclamation Project on approximately 272 acres of undeveloped land to the northeast of the site. One sector of this study area was reported to be approximately 750 feet northeast of and potentially upgradient from the site. Reportedly, the results of this study suggest that dissolved-phase petroleum hydrocarbons have impacted groundwater regionally along with VOCs including benzene, PCE, and TCE (McLaren/Hart, 1996). This off-site upgradient source is likely to have contributed to the solvents detected in groundwater at the site. The historical presence of VOCs in the groundwater at the site is not considered to be a REC for the site since the site does not appear to be considered by the regulatory agencies as responsible for the VOCs in the groundwater and there has been no direction by the agencies for the site to implement groundwater remediation. However, the historical presence of VOCs in groundwater sampled from on-site groundwater monitoring wells at the site is considered an environmental concern in the judgment of ATC.

ATC identified one off-site source, CHT, located adjacent to the south of and potentially downgradient from the site that may have contributed to the presence of VOCs in the southeastern portion of the site. This source appears to have included CHT degreaser lines identified by McLaren/Hart in the Addendum to Phase I Report dated September 27, 1996. VOC-impacted soil has been remediated at the site by Mobil. Based on the environmental fate and transport modeling for chlorinated solvents conducted by Alton Geoscience and the soil remediation conducted at the site, it is ATC's judgment that VOCs from the off-site CHT facility would not constitute an REC for the site. However, the potential for there to be VOCs in soil at the site is an environmental concern in the judgment of ATC.

10.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the information obtained during this assessment, current regulatory guidelines, and the judgment of ATC, the following conclusions have been drawn:

We have performed a Phase I Environmental Site Assessment in conformance with the scope of work and limitations of ASTM Standard E 1527-97 for the undeveloped land

located at 10607 Norwalk Boulevard, Santa Fe Springs, California. Any exceptions to or deletions from this practice are described in Section 4.0 of this report. Based on the information summarized in this ESA, it is the judgment of ATC that there are no Recognized Environmental Conditions (RECs) at the site. However, there are a number of environmental concerns in the judgment of ATC including those cited above in Section 9.

It is recommended that a subsurface investigation be conducted to evaluate the significance (if any) of the environmental concerns. ATC also recommends that the oil well abandonment documentation be obtained from the CADOG when available.

The judgments and conclusions described in this report pertain to the conditions judged to be present or applicable at the time the work was performed. Future conditions may differ from those described herein and this report is not intended for use in future evaluations of the site unless an update is conducted by a consultant familiar with environmental assessments. Use of this report is provided to O'Donnell for their exclusive use and shall be subject to the terms and conditions in the applicable contract between O'Donnell and ATC. There is to be no third party use of this report without the express written consent of O'Donnell and ATC. Any authorized third party use of this report shall also be subject to the terms and conditions governing the work in the contract between O'Donnell and ATC. Any unauthorized release or misuse of this report shall be without risk or liability to ATC.

Certain information contained in this report may have been rightfully provided to ATC by third parties or other outside sources. ATC does not make any warranties or representations, whether expressed or implied, regarding the accuracy of such information, and shall not be held accountable or responsible in the event that any such inaccuracies are present.

11.0 REFERENCES

Documents:

Alton Geoscience, Site Assessment Report and Remedial Action Plan, October 10, 1997.

Alton Geoscience, Remedial Excavation/ Site Closure Report, Mobil Jalk Fee Property, October 19, 1998.

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Record of Personal Communications:

Mr. Luis Collazo, City of Santa Fe Springs Planning Department.

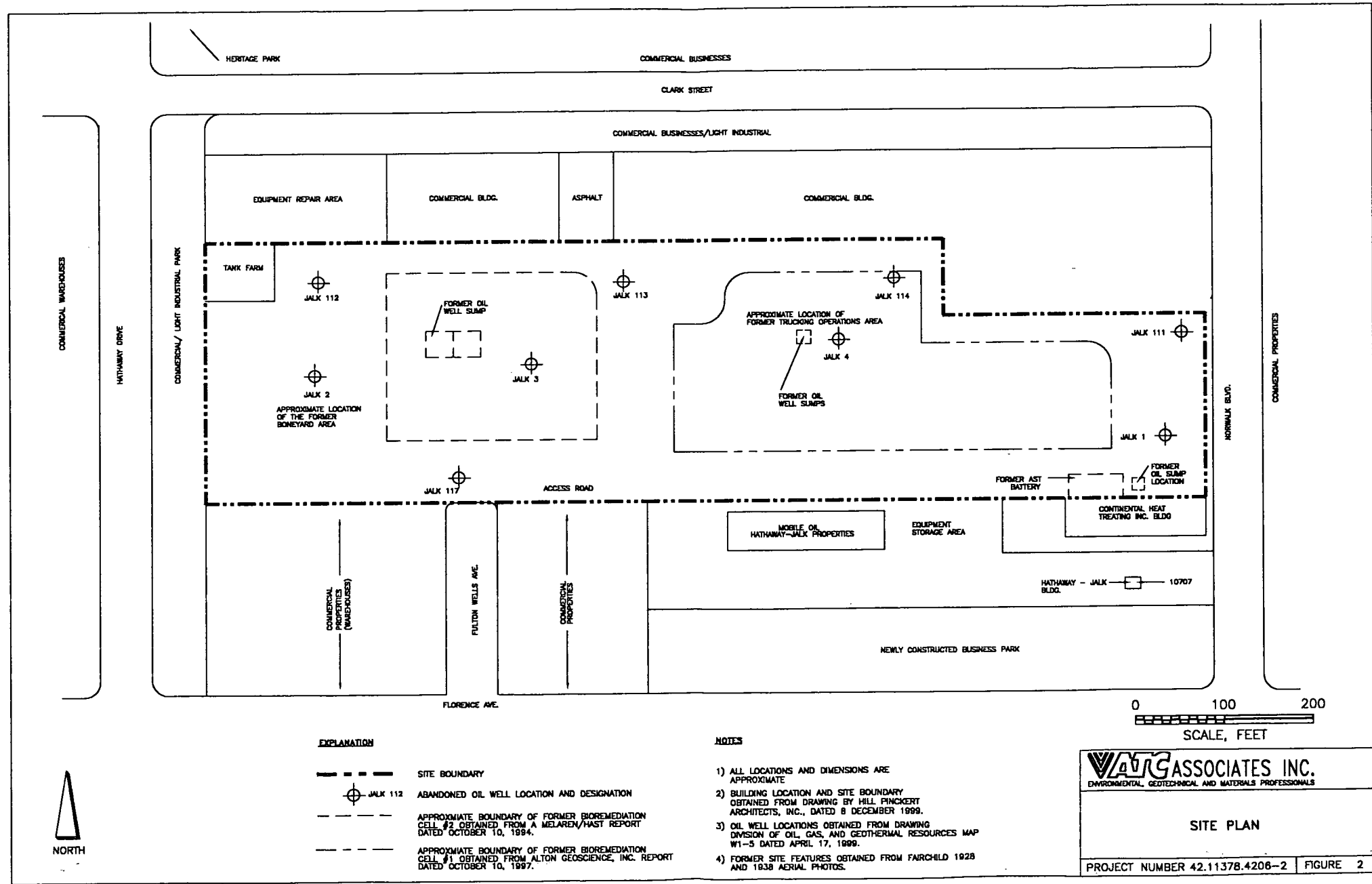
Mr. Andy Lazzaretto, City of Santa Fe Springs Planning Department.

Mr. Gill Reem, City of Santa Fe Springs Building and Safety Department.

Mr. Curtis Menafee, Southern California Edison.

Mr. Pat Park, with Hathaway Oil Company.

FIGURES



EXPLANATION

- SITE BOUNDARY
- ⊙ JALK 112 ABANDONED OIL WELL LOCATION AND DESIGNATION
- - - APPROXIMATE BOUNDARY OF FORMER BIOREMEDIATION CELL #2 OBTAINED FROM A MELAREN/HAST REPORT DATED OCTOBER 10, 1994.
- - - APPROXIMATE BOUNDARY OF FORMER BIOREMEDIATION CELL #1 OBTAINED FROM ALTON GEOSCIENCE, INC. REPORT DATED OCTOBER 10, 1997.

NOTES

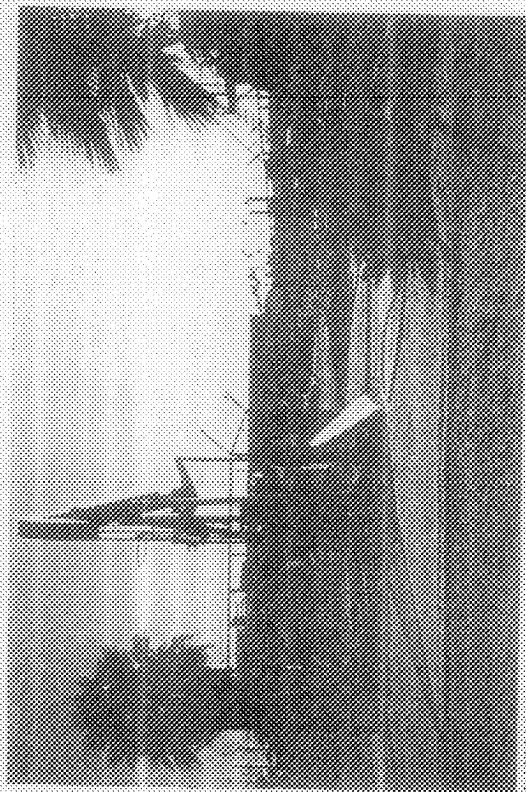
- 1) ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE
- 2) BUILDING LOCATION AND SITE BOUNDARY OBTAINED FROM DRAWING BY HILL PINCKERT ARCHITECTS, INC., DATED 8 DECEMBER 1999.
- 3) OIL WELL LOCATIONS OBTAINED FROM DRAWING DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES MAP W1-5 DATED APRIL 17, 1999.
- 4) FORMER SITE FEATURES OBTAINED FROM FAIRCHILD 1928 AND 1938 AERIAL PHOTOS.

0 100 200
SCALE, FEET

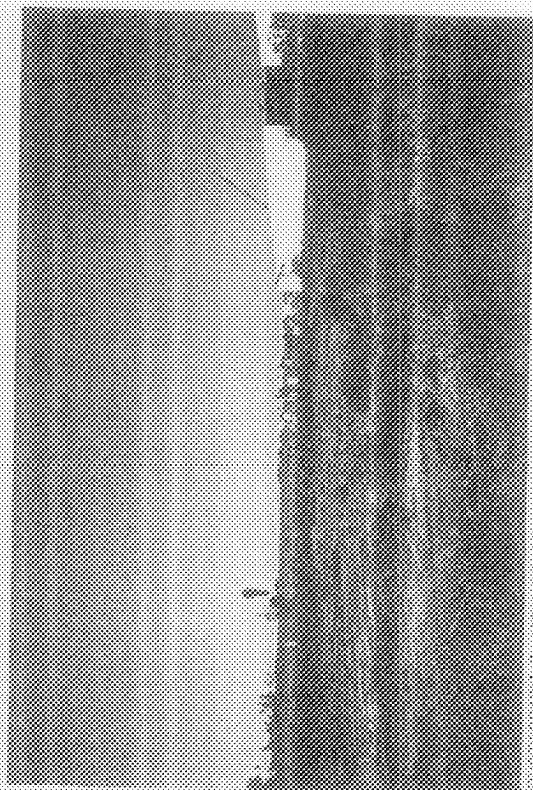
VAT ASSOCIATES INC.
ENVIRONMENTAL, GEOTECHNICAL AND MATERIALS PROFESSIONALS

SITE PLAN

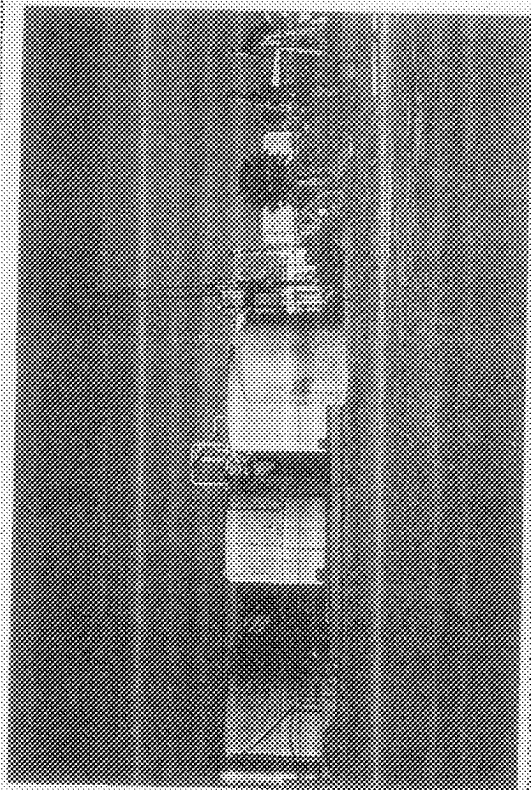
PROJECT NUMBER 42.11378.4206-2 FIGURE 2



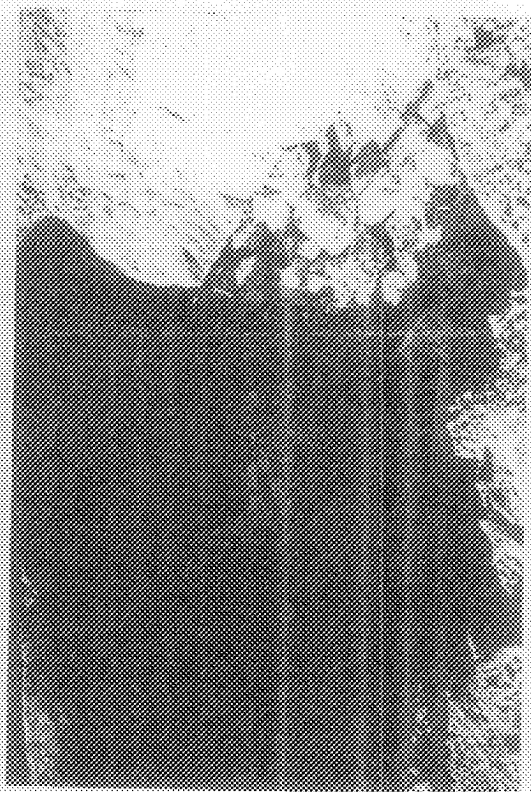
PHOTOGRAPH 1. VIEW OF TANK #115 ADJACENT TO EAST OF TANK #114 (LOOKING SOUTH)



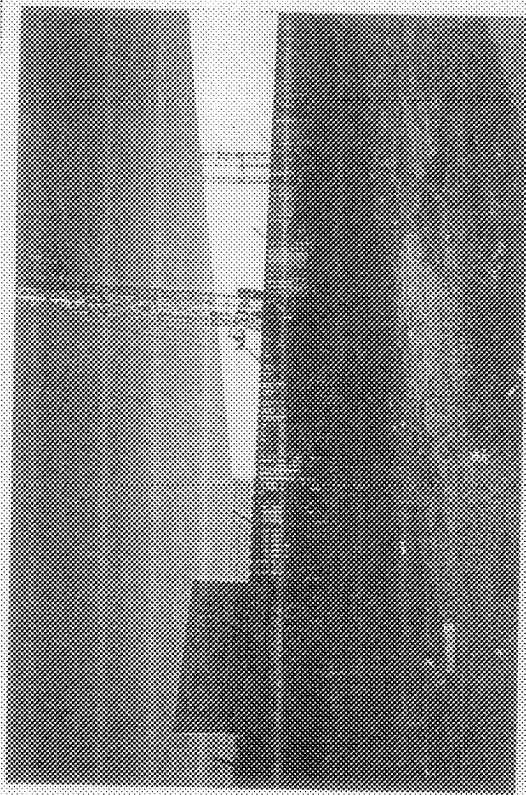
PHOTOGRAPH 2. VIEW OF TANK #115 (LOOKING WEST)



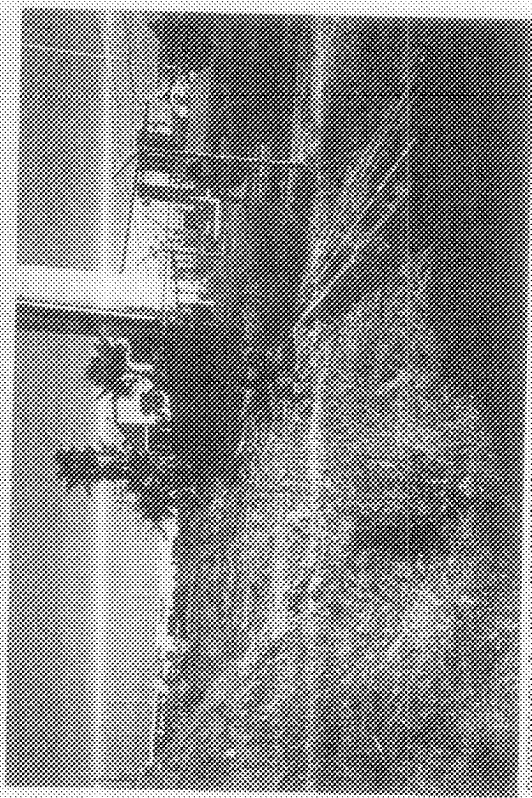
PHOTOGRAPH 3. VIEW OF TANK #115 (6 ABOVE GROUND) LOCATED NORTHWEST CORNER OF SITE



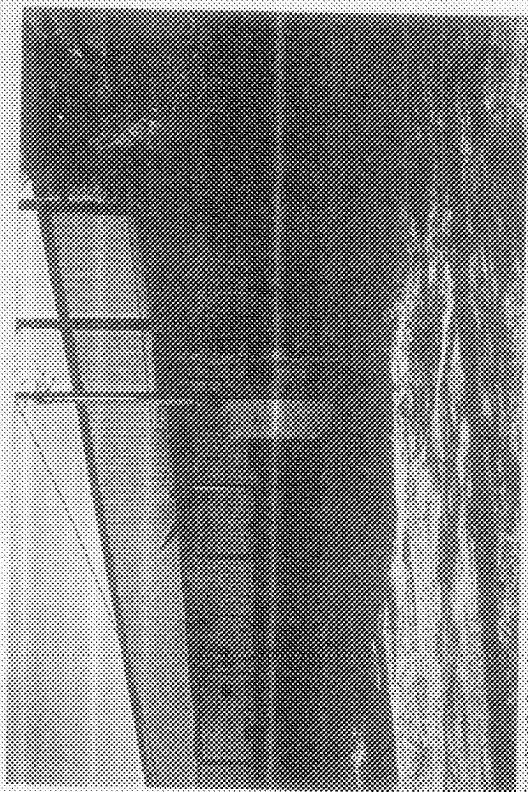
PHOTOGRAPH 4. VIEW OF DECONTAMINATION OF ABOVE TANKS, WELL LOCATED ON EAST PORTION OF SITE.



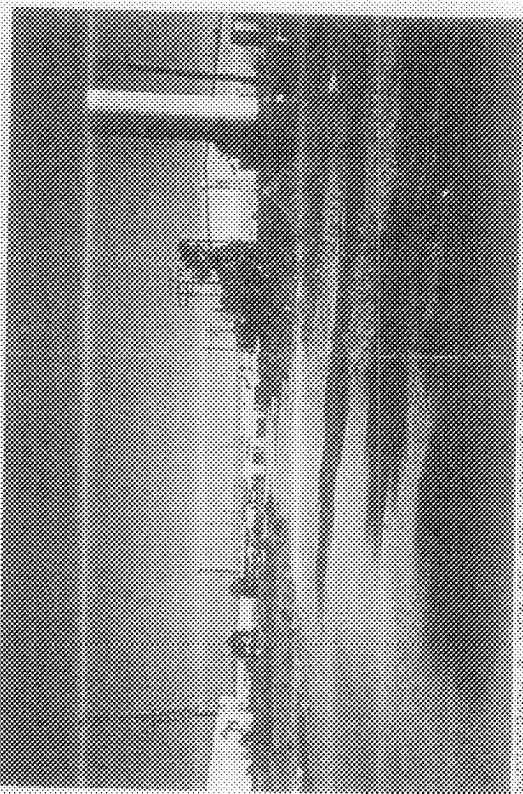
PHOTOGRAPH 1. VIEW OF EASTERN BOUNDARY OF SITE ADJACENT
HIGHTWALK BLVD. LOOKING NORTHWEST



PHOTOGRAPH 2. VIEW OF WESTERN BOUNDARY OF SITE. TREES
VISIBLE ALONG SOUTHERN BOUNDARY. VIEW OF ADJACENT PROPERTIES
TO SOUTH. LOOKING SOUTHWEST



PHOTOGRAPH 3. VIEW OF CONTINENTAL RAIL TRAIL AVAILABLE
TO SOUTH BY SITE. VIEW OF POWER POLE IN SOUTHERN SITE
SITE BOUNDARY. LOOKING SOUTH



PHOTOGRAPH 4. VIEW OF SITE. LOOKING EAST. POWER POLE. VIEW OF
NORTHEAST CORNER OF SITE. LOOKING EAST

APPENDIX A
EDR-RADIUS MAP



The EDR-Radius Map™ Report

**Hathaway Lease
10607 Norwalk Boulevard
Santa Fe Springs, CA 90670**

Inquiry Number: 440924.1s

December 07, 1999

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

Disclaimer and Other Information

This Report contains information obtained from a variety of public and other sources and Environmental Data Resources, Inc. (EDR) makes no representation or warranty regarding the accuracy, reliability, quality, suitability, or completeness of said information or the information contained in this report. The customer shall assume full responsibility for the use of this report.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-97. Search distances are per ASTM standard or custom distances requested by the user.

The address of the subject property for which the search was intended is:

10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CA 90670

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the subject property or within the ASTM E 1527-97 search radius around the subject property for the following Databases:

NPL:..... National Priority List
RCRIS-TSD:..... Resource Conservation and Recovery Information System
CORRACTS:..... Corrective Action Report
SWF/LF:..... State Landfill
ERNS:..... Emergency Response Notification System
AOCONCERN:..... San Gabriel Valley Area of Concern

Unmapped (orphan) sites are not considered in the foregoing analysis.

Search Results:

Search results for the subject property and the search radius, are listed below:

Subject Property:

The subject property was identified in the following government records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
JALK FEE 10607 NORWALK BOULEVARD SANTA FE SPRINGS, CA 90670	CERCLIS	CA0000024554
MOBIL OIL/JALK FEE 10607 NORWALK BLVD SANTA FE SPRINGS, CA 90670	CA SLIC Cal-Sites	N/A

EXECUTIVE SUMMARY

Surrounding Properties:

Elevations have been determined from the USGS 1 degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the subject property includes a tolerance of -10 feet. Sites with an elevation equal to or higher than the subject property have been differentiated below from sites with an elevation lower than the subject property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

AWP: California DTSC's Annual Workplan, formerly known as BEP, identifies known hazardous substance sites targeted for cleanup. The source is the California Environmental Protection Agency.

A review of the AWP list, as provided by EDR, has revealed that there is 1 AWP site within approximately 1 mile of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>WALKER PROPERTIES</i>	<i>SW CORNR OF BLOOMFIELD</i>	<i>1/2 - 1 SE</i>	<i>I40</i>	<i>37</i>

CAL-SITES: Formerly known as ASPIS, this database contains both known and potential hazardous substance sites. The source is the California Department of Toxic Substance Control.

A review of the Cal-Sites list, as provided by EDR, has revealed that there are 10 Cal-Sites sites within approximately 1 mile of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
IMPERIAL ANCHOR PALLET	12246 PARK ST	1/8 - 1/4 NNE	F17	19
HATHAWAY OIL CO	12250 E TELEGRAPH RD	1/8 - 1/4 NNE	22	21
SHAMROCK TIRE & WHEEL	10332 NORWALK BLVD	1/8 - 1/4 N	25	24
<i>PLATE SHOP THE</i>	<i>10701 FOREST ST</i>	<i>1/4 - 1/2 ESE</i>	<i>34</i>	<i>34</i>
ATLAS RADIATOR, INCORPORATED	10110 NORWALK BLVD	1/4 - 1/2 N	37	35
<i>WALKER PROPERTIES</i>	<i>SW CORNR OF BLOOMFIELD</i>	<i>1/2 - 1 SE</i>	<i>I40</i>	<i>37</i>
LA CTRS FOR ALCOHOL AND DRUG A	11015 BLOOMFIELD AVE	1/2 - 1 SE	I41	38
SANTA FE SPRINGS WASTEWATER DI	9814 S ALBUSTIS AVE	1/2 - 1 NW	42	39
LUSK, INC	10010 ROMANDEL AVE	1/2 - 1 ENE	43	40
LOS ANGELES BY-PRODUCTS (NORWA	9615 NORWALK BLVD	1/2 - 1 N	44	41

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 08/26/1999 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>CONTINENTAL HEAT TREATING</i>	<i>10643 S NORWALK BLVD</i>	<i>0 - 1/8 S</i>	<i>B6</i>	<i>9</i>

EXECUTIVE SUMMARY

LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the State Water Resources Control Board Leaking Underground Storage Tank Information System.

A review of the LUST list, as provided by EDR, and dated 10/07/1999 has revealed that there are 9 LUST sites within approximately 0.5 miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
YELLOW FREIGHT SYSTEMS	12250 CLARK AVE E	1/8 - 1/4 E	C9	11
HERITAGE CORPORATE CENTER	10445 NORWALK BLVD	1/8 - 1/4 N	D13	15
CHEVRON #9-5306	12155 TELEGRAPH RD	1/8 - 1/4 NNW	G24	22
BROTHERS AUTO	10801 NORWALK BLVD	1/4 - 1/2 S	H28	26
SUPERIOR OIL TOOL	12180 FLORENCE AVE	1/4 - 1/2 S	H29	27
CHARLES L GODBEY	10840 S NORWALK BLVD	1/4 - 1/2 S	31	29
TRANSIT MIXED CONCRETE COMPANY	12222 FLORENCE AVE	1/4 - 1/2 SSE	32	31
SUNRISE LANDSCAPE	12542 CLARK ST	1/4 - 1/2 E	33	32
PEDRO PETROLEUM/WEST OIL	11916 E TELEGRAPH RD	1/4 - 1/2 NW	38	36

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the State Water Resources Control Board's Hazardous Substance Storage Container Database.

A review of the UST list, as provided by EDR, and dated 10/15/1990 has revealed that there are 9 UST sites within approximately 0.25 miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CONTINENTAL HEAT TREATING	10643 S NORWALK BLVD	0 - 1/8 S	B6	9
W.T. BILLARD, INC.	12055 E. CLARK ST.	0 - 1/8 WSW	7	9
NIELSEN FREIGHT LINES	12250 CLARK ST	1/8 - 1/4 E	C8	10
SYSTEM 99	10445 SO. NORWALK BLVD.	1/8 - 1/4 N	D12	13
-PYRAMID OIL COMPANY	10707 S. NORWALK BLVD.	1/8 - 1/4 S	E15	17
-PYRAMID OIL COMPANY-JALK LEASE	10707 S. NORWALK BLVD.	1/8 - 1/4 S	E16	18
SUPERIOR OIL TOOL CO.	10727 S. NORWALK BLVD	1/8 - 1/4 S	21	20
95306	12155 TELEGRAPH RD	1/8 - 1/4 NNW	G23	21
BRADSHAW INC	12131 TELEGRAPH ROAD	1/8 - 1/4 NNW	26	25

CA FID: The Facility Inventory Database contains active and inactive underground storage tank locations. The source is the State Water Resource Control Board.

A review of the Ca. FID list, as provided by EDR, has revealed that there is 1 Ca. FID site within approximately 0.25 miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
ANTHAWAY OIL COMPANY YARD	10707 S NORWALK BLVD	1/8 - 1/4 S	E14	16

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 09/01/1999 has revealed that there are 7 RCRIS-SQG sites within approximately 0.25 miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
DUNCAN INDUSTRIES INC	12110 CLARK ST	0 - 1/8 NE	A3	8

EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
INTERNATIONAL LABEL AND TAPE C	10536 NORWALK BLVD	0 - 1/8 N	4	8
TOWER INDUSTRIES INC	10643 S NORWALK BLVD	0 - 1/8 S	B5	8
CONTINENTAL HEAT TREATING	10643 S NORWALK BLVD	0 - 1/8 S	B6	9
YELLOW FREIGHT SYSTEM INC STC	12250 CLARK	1/8 - 1/4 E	C10	13
IMPERIAL WESTERN SURPLUS COMPA	12246 PARK AVENUE	1/8 - 1/4 NNE	F18	19
TEXACO INC MTRN NCT-2&NCT-3 LS	NEAR NORWALK BLVD. & TE	1/8 - 1/4 NNW	20	20

RCRIS: The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-LQG list, as provided by EDR, and dated 09/01/1999 has revealed that there is 1 RCRIS-LQG site within approximately 0.25 miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
TROJAN BATTERY COMPANY	12380 CLARK ST	1/8 - 1/4 E	27	25

CA SLIC: SLIC Region comes from the California Regional Water Quality Control Board.

A review of the CA SLIC list, as provided by EDR, has revealed that there are 5 CA SLIC sites within approximately 0.5 miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
YELLOW FREIGHT SYSTEMS IN	12250 CLARK ST	1/8 - 1/4 E	C11	13
NIXON-EGLI EQUIPMENT	12030 CLARK ST	1/8 - 1/4 WSW	19	20
JOHN ALEXANDER CO.	12040 FLORENCE AVE	1/4 - 1/2 SSW	30	29
UNOCAL - SANTA FE SPRINGS OIL	10122 NORWALK BLVD	1/4 - 1/2 N	35	35
BEAUMON FAMILY TRUST	12525 PARK ST	1/4 - 1/2 ENE	36	35

BEP: Bond Expenditure Plan comes from the Department of Health Services.

A review of the Ca. BEP list, as provided by EDR, has revealed that there is 1 Ca. BEP site within approximately 1 mile of the subject property.

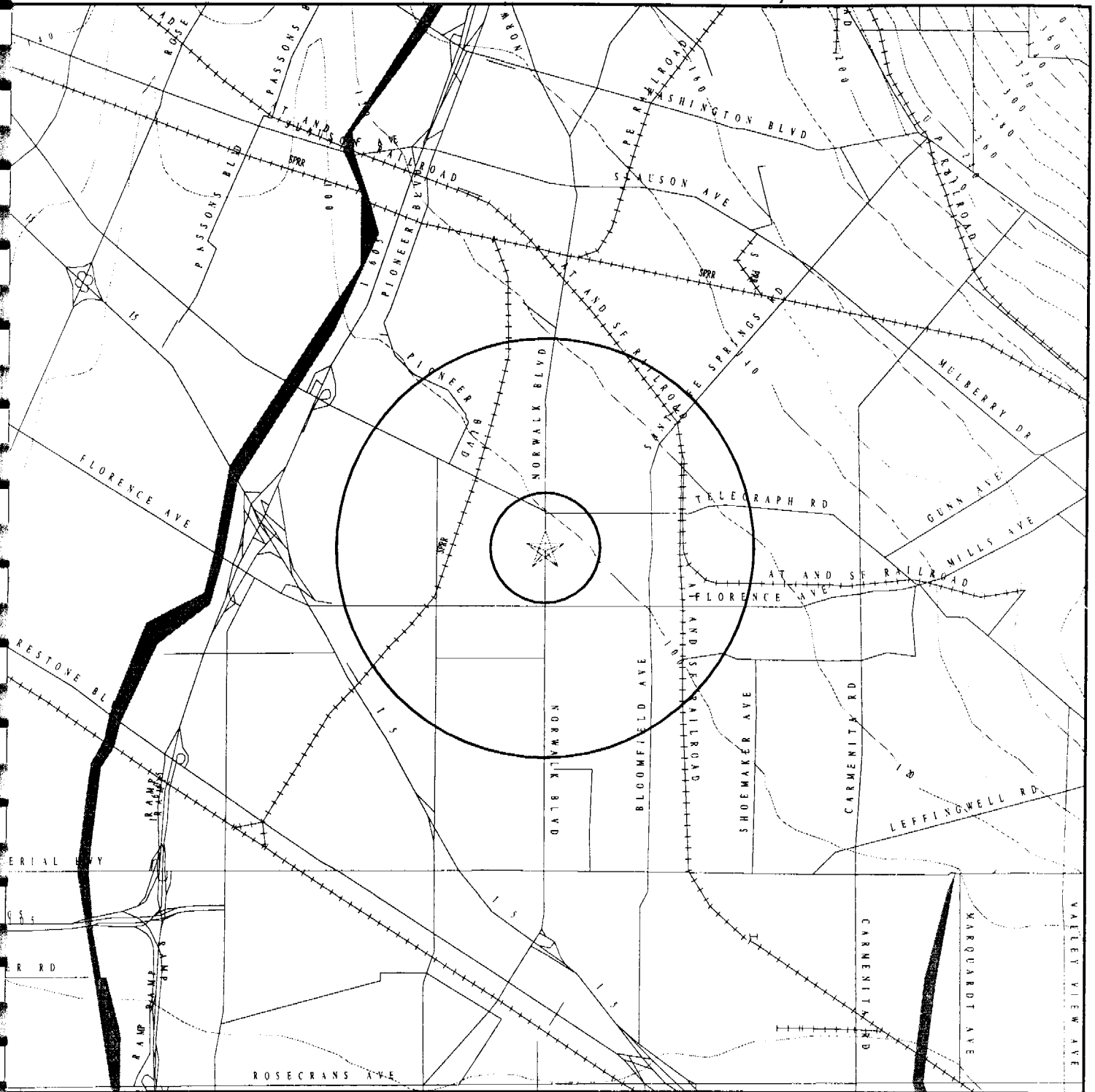
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
WALKER PROPERTIES	SOUTHEAST CORNER BLOOMF	1/2 - 1 SE	39	37

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
RICHFIELD OIL CORPORATION	Cal-Sites
SO. CAL. DISPOSAL AKA HAMILTON AVE LF	SWF/LF
MARY BEZAYIFF	SWF/LF
SAN CLEMENTE ISLAND LANDFILL	SWF/LF
TOYON CANYON COVE, CATALINA ISLAND	SWF/LF
LAKIN TIRE WEST, INC.--FOSTER RD.	SWF/LF
HATHAWAY RANCH	UST
BLACK LEASE	UST
MCFARLAND ENERGY TEN SECTION F	RCRIS-SQG
MCFARLAND ENERGY ISABELL LEASE	RCRIS-SQG
GEARY TANK FARM	RCRIS-SQG
SOUTHERN CALIFORNIA FLEET SVC	RCRIS-SQG
SUN CHEMICAL CORP - GPI DIVISI	RCRIS-LQG
UNOCAL - ALEXANDER FEE	CA SLIC
MOBIL - OFRP	CA SLIC

TOPOGRAPHIC MAP - 440924.1s - ATC Associates, Inc.



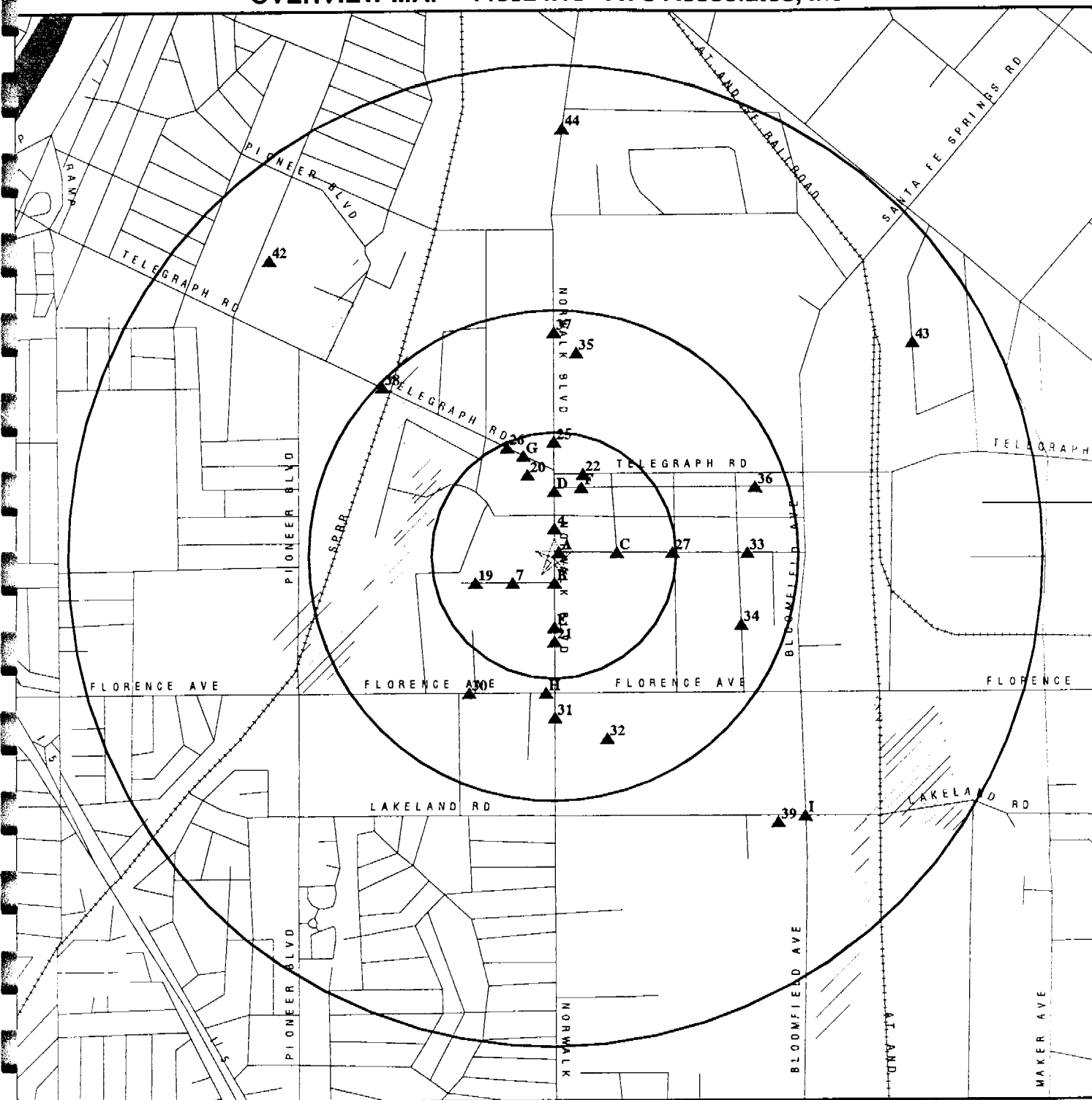
Source: US Geological Survey 1-Degree Digital Elevation Model
Compiled 09/15/92

- Major Roads
- Contour lines (25 foot interval unless otherwise shown)
- Waterways
- Earthquake fault lines

TARGET PROPERTY: Hathaway Lease
ADDRESS: 10607 Norwalk Boulevard
CITY/STATE/ZIP: Santa Fe Springs CA 90670
LAT/LONG: 33.93940 / 118.07180

CUSTOMER: ATC Associates, Inc.
CONTACT: Moira Fearey
INQUIRY #: 440924.1s
DATE: December 07, 1999

OVERVIEW MAP - 440924.1s - ATC Associates, Inc.



★ Target Property

▲ Sites at elevations higher than or equal to the target property

◆ Sites at elevations lower than the target property

▲ Coal Gasification Sites (if requested)

■ National Priority List Sites

■ Landfill Sites

— Power transmission lines

— Oil & Gas pipelines

▨ 100-year flood zone

▨ 500-year flood zone

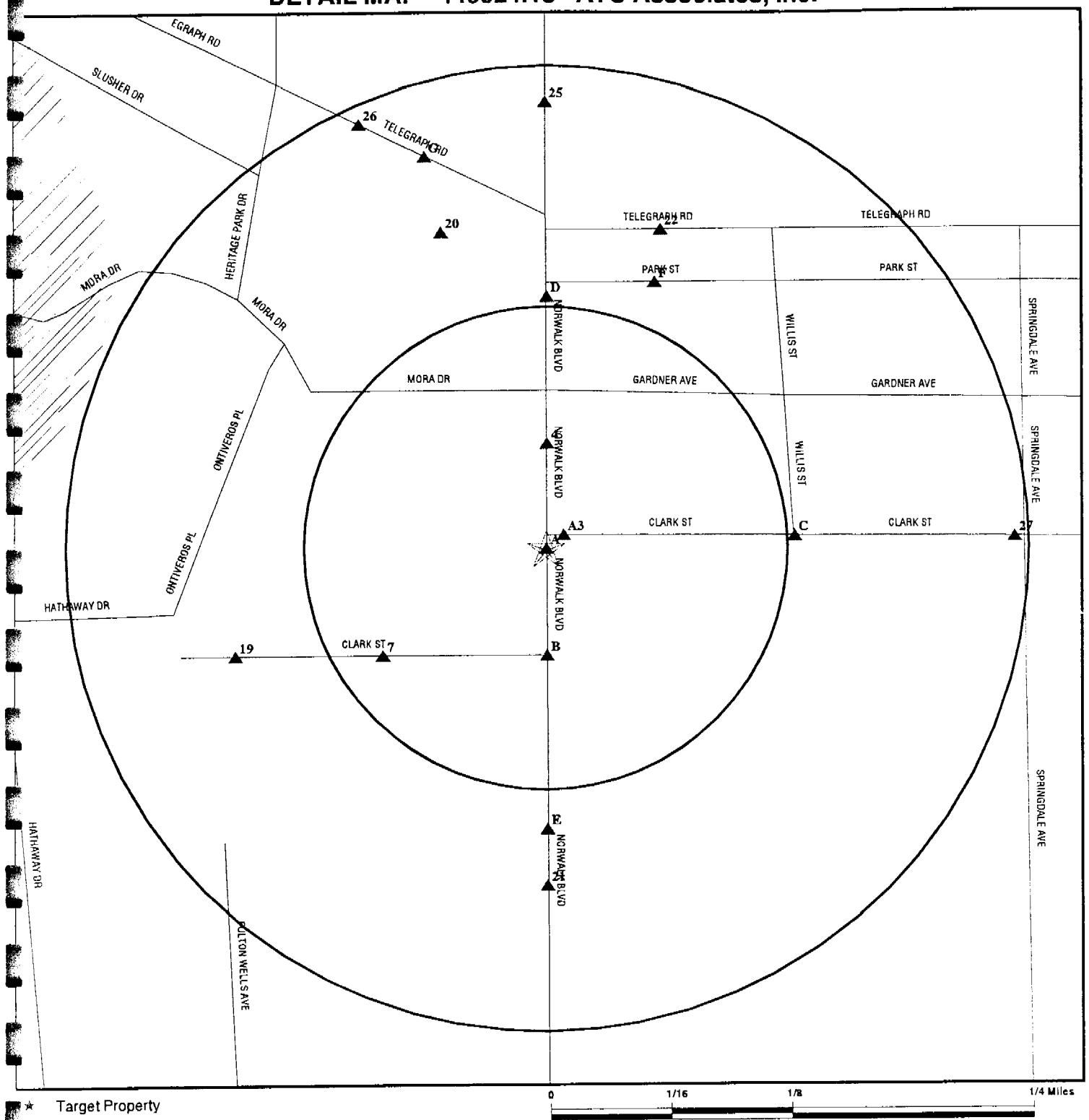
▨ Areas of Concern

0 1/4 1/2 1 Miles

TARGET PROPERTY: Hathaway Lease
ADDRESS: 10607 Norwalk Boulevard
CITY/STATE/ZIP: Santa Fe Springs CA 90670
LAT/LONG: 33.9394 / 118.0718

CUSTOMER: ATC Associates, Inc.
CONTACT: Moira Fearey
INQUIRY #: 440924.1s
DATE: December 07, 1999 12:33 pm

DETAIL MAP - 440924.1s - ATC Associates, Inc.



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites (if requested)
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites

- Power transmission lines
- Oil & Gas pipelines
- ▨ 100-year flood zone
- 500-year flood zone

- ▨ Areas of Concern

TARGET PROPERTY: Hathaway Lease
 ADDRESS: 10607 Norwalk Boulevard
 CITY/STATE/ZIP: Santa Fe Springs CA 90670
 LAT/LONG: 33.9394 / 118.0718

CUSTOMER: ATC Associates, Inc.
 CONTACT: Moira Fearey
 INQUIRY #: 440924.1s
 DATE: December 07, 1999 12:36 pm

MAP FINDINGS SUMMARY SHOWING ALL SITES

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
AWP		1.000	0	0	0	1	NR	1
Cal-Sites	X	1.000	0	3	2	5	NR	10
CERCLIS	X	0.500	1	0	0	NR	NR	1
CORRACTS		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	3	6	NR	NR	9
UST		0.250	2	7	NR	NR	NR	9
CA FID		0.250	0	1	NR	NR	NR	1
RCRIS Sm. Quan. Gen.		0.250	4	3	NR	NR	NR	7
RCRIS Lg. Quan. Gen.		0.250	0	1	NR	NR	NR	1
ERNS		TP	NR	NR	NR	NR	NR	0
CA SLIC	X	0.500	0	2	3	NR	NR	5
CA Bond Exp. Plan		1.000	0	0	0	1	NR	1
AOCONCERN		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

<p align="center">MAP FINDINGS SUMMARY SHOWING ONLY SITES HIGHER THAN OR THE SAME ELEVATION AS TP</p>
--

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
RCRIS-TSD		0.500	0	0	0	NR	NR	0
AWP		1.000	0	0	0	1	NR	1
Cal-Sites	X	1.000	0	3	2	5	NR	10
CERCLIS	X	0.500	1	0	0	NR	NR	1
CORRACTS		1.000	0	0	0	0	NR	0
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	0	3	6	NR	NR	9
UST		0.250	2	7	NR	NR	NR	9
CA FID		0.250	0	1	NR	NR	NR	1
RCRIS Sm. Quan. Gen.		0.250	4	3	NR	NR	NR	7
RCRIS Lg. Quan. Gen.		0.250	0	1	NR	NR	NR	1
ERNS		TP	NR	NR	NR	NR	NR	0
CA SLIC	X	0.500	0	2	3	NR	NR	5
CA Bond Exp. Plan		1.000	0	0	0	1	NR	1
AOCONCERN		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

A1
Target
Property

JALK FEE
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CA 90670

CERCLIS

EDR ID Number
EPA ID Number

1000851450
CA0000024554

CERCLIS Classification Data:

Site Incident Category: Not reported
Ownership Status: Private
Contact: ANN FICHER
Contact: Three Guest
Contact: Matthew Mitguard

Federal Facility: Not a Federal Facility
NPL Status: Not on the NPL
Contact Tel: (415) 744-2321
Contact Tel: Not reported
Contact Tel: Not reported

CERCLIS Assessment History:

Assessment: DISCOVERY

Completed: 19931013

CERCLIS Site Status:

Not reported

CERCLIS Alias Name(s):

MOBIL OIL
MOBIL OIL CORP.
JALK FEE

A2
Target
Property

MOBIL OIL/JALK FEE
10607 NORWALK BLVD
SANTA FE SPRINGS, CA 90670

CA SLIC
Cal-Sites

S101539978
N/A

CAL-SITES:

Facility ID: 19130098
Status: REFRW - DOES NOT REQUIRE DTSC ACTION. REFERRED TO REGIONAL WATER QUALITY CONTROLBOARD (RWQCB) LEAD
Status Date: 10/19/1998
Lead: DTSC
Region: 3 - BURBANK
Branch: SA - SOUTHERN CA. - A
File Name: MOBIL OIL CORPORATION
Status Name: PROPERTY/SITE REFERRED TO RWQCB
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not reported
SIC: 13 OIL & GAS EXTRACTION
Facility Type: VOLUNTARY CLEANUP PROGRAM
Facility Type Name: VCP
Staff Member Responsible for Site: JCULLY
Supervisor Responsible for Site: GHOLMES
Region Water Control Board: LA - LOS ANGELES
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Suspected
No. of Contamination Sources: 0.00000
Lat/Long: 0.00000° 0.00000° 0.00000° / 0.00000° 0.00000° 0.00000°
Lat/long Method: Not reported
State Assembly District Code: 58
State Senate District: 30

SLIC Region 4:

Facility Status: Site Assessment
SLIC: 203
Region: 4

Substance: TPH
Staff: Manjulika Chakarbarti

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

A3
NE
< 1/8
62
Higher

DUNCAN INDUSTRIES INC
12110 CLARK ST
SANTA FE SPRING, CA 90670

RCRIS-SQG 1000431606
CAD008314643

RCRIS:
Owner: STOCK CORPORATION
(310) 944-8481
Contact: EDWARD MARTINEZ
(310) 944-8481
Record Date: 10/05/1993
Classification: Small Quantity Generator
Used Oil Recyc: No
Violation Status: No violations found

4
North
< 1/8
287
Higher

INTERNATIONAL LABEL AND TAPE C
10536 NORWALK BLVD
SANTA FE SPRING, CA 90670

RCRIS-SQG 1000217000
CAD981457682

RCRIS:
Owner: YONG AND CLIFF CHUNG
(415) 555-1212
Contact: ENVIRONMENTAL MANAGER
(213) 941-5855
Record Date: 04/03/1986
Classification: Small Quantity Generator
Used Oil Recyc: No
Violation Status: No violations found

B5
South
< 1/8
291
Higher

TOWER INDUSTRIES INC
10643 S NORWALK BLVD
SANTA FE SPRING, CA 90670

RCRIS-SQG 1000210689
CAD053858296

RCRIS:
Owner: TOWER INDUSTRIES INC
(415) 555-1212
Contact: ENVIRONMENTAL MANAGER
(213) 944-8808
Record Date: 09/01/1996
Classification: Small Quantity Generator

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

TOWER INDUSTRIES INC (Continued)

EDR ID Number
EPA ID Number

Database(s)

1000210689

Used Oil Recyc: No

Violation Status: No violations found

B6
South
< 1/8
291
Higher

**CONTINENTAL HEAT TREATING
10643 S NORWALK BLVD
SANTA FE SPRINGS, CA 90670**

**CERCLIS
RCRIS-SQG
UST**

1000412837
CAD095631719

CERCLIS Assessment History:

Assessment: DISCOVERY

Completed: 19931013

CERCLIS Site Status:

Not reported

CERCLIS Alias Name(s):

MOBIL OIL

MOBIL OIL CORP.

JALK FEE

RCRIS:

Owner: ACTO KLEEN CO., INC.
(213) 723-5111

Contact: ENVIRONMENTAL MANAGER
(213) 394-8808

Record Date: 03/12/1990

Classification: Hazardous Waste Transporter

Used Oil Recyc: No

Violation Status: Violation information exist

There are 1 violation record(s) reported at this site:

Evaluation

Financial Record Review (FRR)

Area of Violation

Generator-All Requirements

Date of
Compliance

State UST:

Facility ID: 5021

Tank Num: 1

Tank Capacity: 6000

Tank Used for: PRODUCT

Type of Fuel: UNLEADED

Leak Detection: Stock Inventor

Contact Name: Not reported

Total Tanks: 1

Facility Type: 2

Container Num: C70036LAFD

Year Installed: 1973

Tank Constrctn: Not reported

Telephone: (213) 944-8808

Region: Not reported

Other Type: FUEL CO CARS

7
WSW
< 1/8
531
Higher

**W.T. BILLARD, INC.
12055 E. CLARK ST.
SANTA FE SPRINGS, CA 90670**

UST

**U001565173
N/A**

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

W.T. BILLARD, INC. (Continued)

U001565173

State UST:

Facility ID:	34352	Container Num:	1
Tank Num:	1	Year Installed:	1973
Tank Capacity:	2000	Tank Constrctn:	3/16IN inches
Tank Used for:	PRODUCT	Telephone:	(213) 723-6131
Type of Fuel:	UNLEADED	Region:	Not reported
Leak Detection:		Other Type:	MATERIAL HANDLING EQ
Contact Name:	Not reported		
Total Tanks:	1		
Facility Type:	2		

C8
East
1/8-1/4
682
Higher

NIELSEN FREIGHT LINES
12250 CLARK ST
SANTA FE SPRINGS, CA 90670

UST

U001565079
N/A

State UST:

Facility ID:	20991	Container Num:	11-06
Tank Num:	1	Year Installed:	Not reported
Tank Capacity:	0	Tank Constrctn:	Not reported
Tank Used for:	WASTE	Telephone:	(213) 944-0941
Type of Fuel:	Not Reported	Region:	Not reported
Leak Detection:	Visual	Other Type:	MOTOR COMMON CARRIER
Contact Name:	JIM HARRINGTON		
Total Tanks:	6		
Facility Type:	2		

Facility ID:	20991	Container Num:	11-05
Tank Num:	2	Year Installed:	Not reported
Tank Capacity:	10000	Tank Constrctn:	Not reported
Tank Used for:	PRODUCT	Telephone:	(213) 944-0941
Type of Fuel:	DIESEL	Region:	Not reported
Leak Detection:	Stock Inventor	Other Type:	MOTOR COMMON CARRIER
Contact Name:	JIM HARRINGTON		
Total Tanks:	6		
Facility Type:	2		

Facility ID:	20991	Container Num:	11-04
Tank Num:	3	Year Installed:	Not reported
Tank Capacity:	0	Tank Constrctn:	Not reported
Tank Used for:	PRODUCT	Telephone:	(213) 944-0941
Type of Fuel:	DIESEL	Region:	Not reported
Leak Detection:	Stock Inventor	Other Type:	MOTOR COMMON CARRIER
Contact Name:	JIM HARRINGTON		
Total Tanks:	6		
Facility Type:	2		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

EDR ID Number
EPA ID Number
Database(s)

NIELSEN FREIGHT LINES (Continued)

U001565079

Facility ID: 20991
Tank Num: 4
Tank Capacity: 10000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Leak Detection: Stock Inventor
Contact Name: JIM HARRINGTON
Total Tanks: 6
Facility Type: 2
Container Num: 11-03
Year Installed: Not reported
Tank Constrctn: Not reported
Telephone: (213) 944-0941
Region: Not reported
Other Type: MOTOR COMMON CARRIER

Facility ID: 20991
Tank Num: 5
Tank Capacity: 5000
Tank Used for: PRODUCT
Type of Fuel: Not Reported
Leak Detection: Stock Inventor
Contact Name: JIM HARRINGTON
Total Tanks: 6
Facility Type: 2
Container Num: 11-02
Year Installed: Not reported
Tank Constrctn: Not reported
Telephone: (213) 944-0941
Region: Not reported
Other Type: MOTOR COMMON CARRIER

Facility ID: 20991
Tank Num: 6
Tank Capacity: 800
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Leak Detection: Visual
Contact Name: JIM HARRINGTON
Total Tanks: 6
Facility Type: 2
Container Num: 11-01
Year Installed: Not reported
Tank Constrctn: Not reported
Telephone: (213) 944-0941
Region: Not reported
Other Type: MOTOR COMMON CARRIER

C9
East
1/8-1/4
682
Higher

YELLOW FREIGHT SYSTEMS
12250 CLARK AVE E
SANTA FE SPRINGS, CA 90670

LUST

S102441424
N/A

State LUST:

Cross Street: NORWALK BLVD.
Reg Board: Los Angeles Region
Chemical: Gasoline
Lead Agency: Regional Board
Case Type: Other ground water affected
Status: Post remedial action monitoring in progress
Abate Method: Excavate and Dispose - remove contaminated soil and dispose in approved site
Qty Leaked: Not reported
Review Date: Not reported
Workplan: Not reported
Pollution Char: 1/9/1992
Remed Action: 2/25/1992
Close Date: Not reported
Confirm Leak: Not reported
Prelim Assess: 5/4/1990
Remed Plan: Not reported
Monitoring: 7/6/1998
Release Date: 05/04/90

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

YELLOW FREIGHT SYSTEMS (Continued)

S102441424

LUST Region 4:
Report Date: 05/04/1990
Cross Street: NORWALK BLVD.
Lead Agency: Regional Board
Local Agency: 19049
Active Site: Not reported
Boundary: Not reported
Owner Contact: CARL BERNETT
Corporate Code: Not reported
Substance: 8006619
Substance Qty: Not reported
Case Number: I-06129
Case Type: Groundwater
Status: Post remedial action monitoring in progress
Status Date: 7/6/1998
Abatement Method Used at the Site: Excavate and Dispose
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 5/4/1990
Pollution Characterization Began: 1/9/1992
Remediation Plan Submitted: Not reported
Enforcement Action Date: Not reported
Remdial Action Underway: 2/25/1992
Post Remedial Action Monitoring Began: 7/6/1998
Date the Case was Closed: Not reported
Date Case was Given Regional Board Lead
After Referred from Local Agency: 9/14/1995
Depth to Groundwater: Not reported
Emergency Responce: No
Enfocement Action Date: Not reported
Enforcment Type: Not reported
Date Leak Record Entered: 6/12/1990
County: Los Angeles
Facility Telephone: (913)345-3000
Source of Cleanup Funding: Federal Funds
Date the Leak was Discovered: 19900404
How the Leak was Discovered: Tank Closure
Date The Leak was Stopped: 04/04/1990
How the Leak was Stopped: Close Tank
Significant Interim Remedial Action Taken: Not reported
Cause of Leak: Unknown
Leak Source: Unknown
Operator of Site: JAVA, JOHN J.
Pilot Program on Financial Database: No
User Sent Prop. 65 Notification: Yes
Regional Board: 04
Reporting Party Address: LADPW, 900 FREMONT AVE., S., ALHAMBRA, 91803
Date Leak First Reported: 05/04/1990
Who Reported the Leak: ESFANDI, DAVID
Who Reporting Party Represents: Local Agency
Date Case Last Changed on Database: 07/06/1998
Responsible Party: YELLOW FREIGHT SYSTEM INC.
RP Address: 10990 ROE AVE., OVERLAND PARK, KANSAS 66207
RP Telephone: (913)345-3000
Date RP Search Completed: Not reported
Soil Type: Not reported
Use of First Tracking Date: GK ASSIGNED CASE TO JW

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

YELLOW FREIGHT SYSTEMS (Continued)

S102441424

Tracking Date: Not reported
Use of Second Tracking Date: TRANSFERRED CASE TO SLIC
Tracking Date 2: 3/19/1998
Use of Third Tracking Date: Not reported
Tracking Date 3: Not reported
Summary: 04/14/98 - GW MON RPT 1ST QTR 1998 06/06/98 - GW MON
RPT 2ND QTR 1998 REFER TO SLIC #767

C10
East
1/8-1/4
682
Higher

YELLOW FREIGHT SYSTEM INC STC
12250 CLARK
SANTA FE SPRINGS, CA 90670

RCRIS-SQG 1001122778
CAR000016147

RCRIS:
Owner: YELLOW FREIGHT SYSTEM INC
(913) 344-5446
Contact: MATT OGELSBY
(310) 946-4802
Record Date: 11/04/1996
Classification: Small Quantity Generator
Used Oil Recyc: No
Violation Status: No violations found

C11
East
1/8-1/4
682
Higher

YELLOW FREIGHT SYSTEMS IN
12250 CLARK ST
SANTA FE SPRINGS, CA 90670

CA SLIC S103065202
N/A

SLIC Region 4:
Facility Status: Site Assessment
SLIC 767
Region: 4
Substance: VOCs
Staff: Not reported

D12
North
1/8-1/4
689
Higher

SYSTEM 99
10445 SO. NORWALK BLVD.
SANTA FE SPRINGS, CA 90670

UST U001565159
N/A

State UST:
Facility ID: 50725
Tank Num: 1
Tank Capacity: 10000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Leak Detection: Stock Inventor
Contact Name: DON LA MERE
Total Tanks: 8
Facility Type: 2
Container Num: 515
Year Installed: Not reported
Tank Constrctn: Not reported
Telephone: (213) 685-9940
Region: Not reported
Other Type: COMMON CARRIER

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SYSTEM 99 (Continued)

EDR ID Number
EPA ID Number

Database(s)

U001565159

Facility ID: 50725
Tank Num: 2
Tank Capacity: 10000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Leak Detection: Stock Inventor
Contact Name: DON LA MERE
Total Tanks: 8
Facility Type: 2

Container Num: 516
Year Installed: Not reported
Tank Constrctn: Not reported
Telephone: (213) 685-9940
Region: Not reported
Other Type: COMMON CARRIER

Facility ID: 50725
Tank Num: 3
Tank Capacity: 10000
Tank Used for: PRODUCT
Type of Fuel: REGULAR
Leak Detection: Stock Inventor
Contact Name: DON LA MERE
Total Tanks: 8
Facility Type: 2

Container Num: 517
Year Installed: Not reported
Tank Constrctn: Not reported
Telephone: (213) 685-9940
Region: Not reported
Other Type: COMMON CARRIER

Facility ID: 50725
Tank Num: 4
Tank Capacity: 5000
Tank Used for: PRODUCT
Type of Fuel: Not Reported
Leak Detection: Stock Inventor
Contact Name: DON LA MERE
Total Tanks: 8
Facility Type: 2

Container Num: 518
Year Installed: Not reported
Tank Constrctn: Not reported
Telephone: (213) 685-9940
Region: Not reported
Other Type: COMMON CARRIER

Facility ID: 50725
Tank Num: 5
Tank Capacity: 1000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Leak Detection: None
Contact Name: DON LA MERE
Total Tanks: 8
Facility Type: 2

Container Num: 518W
Year Installed: Not reported
Tank Constrctn: Not reported
Telephone: (213) 685-9940
Region: Not reported
Other Type: COMMON CARRIER

Facility ID: 50725
Tank Num: 6
Tank Capacity: 1000
Tank Used for: WASTE
Type of Fuel: WASTE OIL
Leak Detection: None
Contact Name: DON LA MERE
Total Tanks: 8
Facility Type: 2

Container Num: 518S
Year Installed: Not reported
Tank Constrctn: Not reported
Telephone: (213) 685-9940
Region: Not reported
Other Type: COMMON CARRIER

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SYSTEM 99 (Continued)

EDR ID Number
EPA ID Number

Database(s)

U001565159

Facility ID:	50725	Container Num:	516A
Tank Num:	7	Year Installed:	Not reported
Tank Capacity:	10000		
Tank Used for:	PRODUCT		
Type of Fuel:	DIESEL	Tank Constrctn:	Not reported
Leak Detection:	None		
Contact Name:	DON LA MERE	Telephone:	(213) 685-9940
Total Tanks:	8	Region:	Not reported
Facility Type:	2	Other Type:	COMMON CARRIER

Facility ID:	50725	Container Num:	516B
Tank Num:	8	Year Installed:	Not reported
Tank Capacity:	10000		
Tank Used for:	PRODUCT		
Type of Fuel:	DIESEL	Tank Constrctn:	Not reported
Leak Detection:	None		
Contact Name:	DON LA MERE	Telephone:	(213) 685-9940
Total Tanks:	8	Region:	Not reported
Facility Type:	2	Other Type:	COMMON CARRIER

D13
North
1/8-1/4
689
Higher

HERITAGE CORPORATE CENTER
10445 NORWALK BLVD
SANTA FE SPRINGS, CA 90670

LUST

S101298007
N/A

State LUST:

Cross Street:	TELEGRAPH RD.	Qty Leaked:	Not reported
Reg Board:	Los Angeles Region		
Chemical:	Diesel		
Lead Agency:	Local Agency		
Case Type:	Soil only		
Status:	Signed off, remedial action completed or deemed unnecessary		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	4/23/1990
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	06/18/91	Release Date:	04/23/90

LUST Region 4:

Report Date:	04/23/1990
Cross Street:	TELEGRAPH RD.
Lead Agency:	Local Agency
Local Agency:	19000
Active Site:	Not reported
Boundary:	Not reported
Owner Contact:	JACHETTA, JIM
Corporate Code:	Not reported
Substance:	12034
Substance Qty:	Not reported
Case Number:	I-06587
Case Type:	Soil
Status:	Signed off, remedial action completed or deemed unnecessary
Status Date:	6/18/1991
Abatement Method Used at the Site:	Not reported
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	4/23/1990

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

HERITAGE CORPORATE CENTER (Continued)

S101298007

Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Enforcement Action Date:	Not reported
Remdial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	6/18/1991
Date Case was Given Regional Board Lead	
After Referred from Local Agency:	Not reported
Depth to Groundwater:	Not reported
Emergency Responce:	No
Enfocement Action Date:	Not reported
Enforcment Type:	Not reported
Date Leak Record Entered:	6/10/1990
County:	Los Angeles
Facility Telephone:	(714)851-0111
Source of Cleanup Funding:	Federal Funds
Date the Leak was Discovered:	19870209
How the Leak was Discovered:	Tank Closure
Date The Leak was Stopped:	02/09/1987
How the Leak was Stopped:	Close Tank
Significant Interim Remedial Action Taken:	Not reported
Cause of Leak:	Unknown
Leak Source:	Unknown
Operator of Site:	JACHETTA, JIM
Pilot Program on Financial Database:	Yes
User Sent Prop. 65 Notification:	Yes
Regional Board:	04
Reporting Party Address:	LADPW, 900 FREMONT AVE., S., ALHAMBRA, 91803
Date Leak First Reported:	04/23/1990
Who Reported the Leak:	ESFANDI, DAVID
Who Reporting Party Represents:	Local Agency
Date Case Last Changed on Database:	06/18/1991
Responsible Party:	O'DONNELL ARMSTRONG PARTNERS
RP Address:	P.O. BOX 19583, IRVINE, CA 92713-9583
RP Telephone:	(714)851-0111
Date RP Search Completed:	Not reported
Soil Type:	Not reported
Use of First Tracking Date:	CASE CLOSED BY LAC DPW
Tracking Date:	06/18/1991
Use of Second Tracking Date:	Not reported
Tracking Date 2:	Not reported
Use of Third Tracking Date:	Not reported
Tracking Date 3:	Not reported
Summary:	CLOSURE PERMIT NO. 2394B

E14
South
1/8-1/4
766
Higher

AHTHAWAY OIL COMPANY YARD
10707 S NORWALK BLVD
SANTE FE SPRINGS, CA 90670

Ca. FID

S101586569
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

AHTHAWAY OIL COMPANY YARD (Continued)

S101586569

FID:

Facility ID:	19054077	Regulate ID:	00003114
Reg By:	Inactive Underground Storage Tank Location		
Cortese Code:	Not reported	SIC Code:	Not reported
Status:	Inactive	Facility Tel:	Not reported
Mail To:	Not reported		
	10707 NORWALK BLVD		
	SANTE FE SPRINGS, CA 90670		
Contact:	Not reported	Contact Tel:	Not reported
DUNs No:	Not reported	NPDES No:	Not reported
Creation:	10/22/93	Modified:	00/00/00
EPA ID:	Not reported		
Comments:	Not reported		

E15
South
1/8-1/4
766
Higher

PYRAMID OIL COMPANY
10707 S. NORWALK BLVD.
SANTA FE SPRINGS, CA 90670

UST

U001565101
N/A

State UST:

Facility ID:	3114	Container Num:	143
Tank Num:	1	Year Installed:	1976
Tank Capacity:	12000		
Tank Used for:	PRODUCT	Tank Constrctn:	Not reported
Type of Fuel:	UNLEADED	Telephone:	(213) 944-6703
Leak Detection:	Stock Inventor	Region:	Not reported
Contact Name:	J.I. HATHAWAY	Other Type:	OIL PRODUCTION
Total Tanks:	8		
Facility Type:	2		
Facility ID:	3114	Container Num:	141
Tank Num:	2	Year Installed:	1973
Tank Capacity:	10000		
Tank Used for:	PRODUCT	Tank Constrctn:	Not reported
Type of Fuel:	DIESEL	Telephone:	(213) 944-6703
Leak Detection:	Stock Inventor	Region:	Not reported
Contact Name:	J.I. HATHAWAY	Other Type:	OIL PRODUCTION
Total Tanks:	8		
Facility Type:	2		
Facility ID:	3114	Container Num:	142
Tank Num:	3	Year Installed:	1973
Tank Capacity:	5000		
Tank Used for:	PRODUCT	Tank Constrctn:	Not reported
Type of Fuel:	Not Reported	Telephone:	(213) 944-6703
Leak Detection:	Stock Inventor	Region:	Not reported
Contact Name:	J.I. HATHAWAY	Other Type:	OIL PRODUCTION
Total Tanks:	8		
Facility Type:	2		

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

PYRAMID OIL COMPANY (Continued)

U001565101

Facility ID: 3114
Tank Num: 4
Tank Capacity: 0
Tank Used for: PRODUCT
Type of Fuel: Not Reported
Leak Detection: Stock Inventor
Contact Name: J.I. HATHAWAY
Total Tanks: 8
Facility Type: 2

Container Num: 140
Year Installed: Not reported
Tank Constrctn: Not reported
Telephone: (213) 944-6703
Region: Not reported
Other Type: OIL PRODUCTION

Facility ID: 3114
Tank Num: 5
Tank Capacity: 1000
Tank Used for: PRODUCT
Type of Fuel: DIESEL
Leak Detection: Stock Inventor
Contact Name: J.I. HATHAWAY
Total Tanks: 8
Facility Type: 2

Container Num: 143
Year Installed: 1975
Tank Constrctn: Not reported
Telephone: (213) 944-6703
Region: Not reported
Other Type: OIL PRODUCTION

Facility ID: 3114
Tank Num: 6
Tank Capacity: 1200
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Leak Detection: Stock Inventor
Contact Name: J.I. HATHAWAY
Total Tanks: 8
Facility Type: 2

Container Num: 141
Year Installed: 1980
Tank Constrctn: Not reported
Telephone: (213) 944-6703
Region: Not reported
Other Type: OIL PRODUCTION

Facility ID: 3114
Tank Num: 7
Tank Capacity: 500
Tank Used for: PRODUCT
Type of Fuel: Not Reported
Leak Detection: Stock Inventor
Contact Name: J.I. HATHAWAY
Total Tanks: 8
Facility Type: 2

Container Num: 144
Year Installed: 1975
Tank Constrctn: Not reported
Telephone: (213) 944-6703
Region: Not reported
Other Type: OIL PRODUCTION

Facility ID: 3114
Tank Num: 8
Tank Capacity: 10000
Tank Used for: PRODUCT
Type of Fuel: PREMIUM
Leak Detection: Stock Inventor
Contact Name: J.I. HATHAWAY
Total Tanks: 8
Facility Type: 2

Container Num: 140
Year Installed: 1973
Tank Constrctn: Not reported
Telephone: (213) 944-6703
Region: Not reported
Other Type: OIL PRODUCTION

E16
South
1/8-1/4
766
Higher

PYRAMID OIL COMPANY-JALK LEASE
10707 S. NORWALK BLVD.
SANTA FE SPRINGS, CA 90670

UST

U001565109
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PYRAMID OIL COMPANY-JALK LEASE (Continued)

U001565109

State UST:

Facility ID:	20941	Container Num:	133
Tank Num:	1	Year Installed:	Not reported
Tank Capacity:	4200	Tank Constrctn:	Not reported
Tank Used for:	WASTE	Telephone:	(213) 944-6703
Type of Fuel:	Not Reported	Region:	Not reported
Leak Detection:	Visual	Other Type:	OIL PRODUCTION
Contact Name:	EMIL PLEGEL		
Total Tanks:	1		
Facility Type:	2		

F17
NNE
1/8-1/4
787
Higher

IMPERIAL ANCHOR PALLET
12246 PARK ST
SANTA FE SPRINGS, CA 90670

Cal-Sites S101480566
N/A

CAL-SITES:

Facility ID: 19240002
Status: REFRW - DOES NOT REQUIRE DTSC ACTION. REFERRED TO REGIONAL WATER QUALITY CONTROLBOARD (RWQCB) LEAD
Status Date: 08/21/1995
Lead: Not reported
Region: 3 - BURBANK
Branch: SA - SOUTHERN CA. - A
File Name: Not reported
Status Name: PROPERTY/SITE REFERRED TO RWQCB
Lead Agency: N/A
NPL: Not reported
SIC: 24 MANU - LUMBER & WOOD PRODUCTS
Facility Type: N/A
Facility Type Name: Not reported
Staff Member Responsible for Site: JABRAHAM
Supervisor Responsible for Site: MMONROY
Region Water Control Board: LA - LOS ANGELES
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Confirmed
No. of Contamination Sources: 0.00000
Lat/Long: 0.00000° 0.00000° 0.00000° / 0.00000° 0.00000° 0.00000°
Lat/long Method: Not reported
State Assembly District Code: Not reported
State Senate District: Not reported

F18
NNE
1/8-1/4
787
Higher

IMPERIAL WESTERN SURPLUS COMPA
12246 PARK AVENUE
SANTA FE SPRING, CA 90670

RCRIS-SQG 1000215260
CAD063810634

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

IMPERIAL WESTERN SURPLUS COMPA (Continued)

1000215260

RCRIS:

Owner: DAVID D SATIN
(213) 944-6389
Contact: ENVIRONMENTAL MANAGER
(213) 944-6389
Record Date: 07/21/1980
Classification: Hazardous Waste Transporter
Used Oil Recyc: No
Violation Status: Violation information exist

There are 1 violation record(s) reported at this site:

Evaluation
Compliance Evaluation Inspection (CEI)

Area of Violation
Generator-All Requirements

Date of
Compliance

19
WSW
1/8-1/4
896
Higher

NIXON-EGLI EQUIPMENT
12030 CLARK ST
SANTA FE SPRINGS, CA 90670

CA SLIC

S102002400
N/A

SLIC Region 4:

Facility Status: Closure
SLIC 498
Region: 4

Substance: TPH/M
Staff: Jim Ross

20
NNW
1/8-1/4
911
Higher

TEXACO INC MTRN NCT-2&NCT-3 LS
NEAR NORWALK BLVD. & TELEGRAPH
SANTA FE SPRING, CA 90670

RCRIS-SQG

1000144787
CAD000631424

RCRIS:

Owner: TEXACO INC.
(415) 555-1212
Contact: ENVIRONMENTAL MANAGER
(213) 427-2789
Record Date: 09/01/1996
Classification: Small Quantity Generator
Used Oil Recyc: No
Violation Status: No violations found

21
South
1/8-1/4
920
Higher

SUPERIOR OIL TOOL CO.
10727 S. NORWALK BLVD
SANTA FE SPRINGS, CA 90670

UST

U001565157
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SUPERIOR OIL TOOL CO. (Continued)

EDR ID Number
EPA ID Number

Database(s)

U001565157

State UST:

Facility ID:	20529	Container Num:	1
Tank Num:	1	Year Installed:	1974
Tank Capacity:	2000	Tank Constrctn:	Not reported
Tank Used for:	PRODUCT	Telephone:	(213) 944-6153
Type of Fuel:	UNLEADED	Region:	Not reported
Leak Detection:	Stock Inventor	Other Type:	MACHINE SHOP
Contact Name:	IVEN PALMER		
Total Tanks:	1		
Facility Type:	2		

22
NNE
1/8-1/4
928
Higher

HATHAWAY OIL CO
12250 E TELEGRAPH RD
SANTA FE SPRINGS, CA 90670

Cal-Sites S102860864
N/A

CAL-SITES:

Facility ID 19290186
Status: REFOA - DOES NOT REQUIRE DTSC ACTION OR OVERSITE ACTIVITY. REFERED TO OTHER AGENCY LEAD
Status Date: 08/31/1995
Lead: Not reported
Region: 3 - BURBANK
Branch: SA - SOUTHERN CA. - A
File Name: Not reported
Status Name: PROPERTY/SITE REFERRED TO ANOTHER AGENCY
Lead Agency: N/A
NPL: Not reported
SIC: 29 MANU - PETROLEUM & COAL PRODUCTS
Facility Type: N/A
Facility Type Name: Not reported
Staff Member Responsible for Site: WILDER
Supervisor Responsible for Site: MMONROY
Region Water Control Board: LA - LOS ANGELES
Access: Controlled
Cortese: C
Hazardous Ranking Score: 21.34
Date Site Hazard Ranked: 04191991
Groundwater Contamination: Not reported
No. of Contamination Sources: 0.00000
Lat/Long: 0.00000° 0.00000° 0.00000° / 0.00000° 0.00000° 0.00000°
Lat/long Method: Not reported
State Assembly District Code: Not reported
State Senate District: Not reported

G23
NNW
1/8-1/4
1124
Higher

95306
12155 TELEGRAPH RD
SANTA FE SPRINGS, CA 90670

UST U001564981
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

95306 (Continued)

U001564981

State UST:

Facility ID:	62740	Container Num:	1
Tank Num:	1	Year Installed:	1972
Tank Capacity:	10000		
Tank Used for:	PRODUCT		
Type of Fuel:	Not Reported	Tank Constrctn:	0000250 unknown
Leak Detection:	Stock Inventor		
Contact Name:	MCCULLOUGH,RANDY	Telephone:	(213) 944-3109
Total Tanks:	4	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

Facility ID:	62740	Container Num:	2
Tank Num:	2	Year Installed:	1972
Tank Capacity:	10000		
Tank Used for:	PRODUCT		
Type of Fuel:	Not Reported	Tank Constrctn:	0000250 unknown
Leak Detection:	Stock Inventor		
Contact Name:	MCCULLOUGH,RANDY	Telephone:	(213) 944-3109
Total Tanks:	4	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

Facility ID:	62740	Container Num:	3
Tank Num:	3	Year Installed:	1972
Tank Capacity:	5000		
Tank Used for:	PRODUCT		
Type of Fuel:	Not Reported	Tank Constrctn:	0000250 unknown
Leak Detection:	Stock Inventor		
Contact Name:	MCCULLOUGH,RANDY	Telephone:	(213) 944-3109
Total Tanks:	4	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

Facility ID:	62740	Container Num:	4
Tank Num:	4	Year Installed:	1972
Tank Capacity:	1000		
Tank Used for:	WASTE		
Type of Fuel:	Not Reported	Tank Constrctn:	0000130 unknown
Leak Detection:	Stock Inventor		
Contact Name:	MCCULLOUGH,RANDY	Telephone:	(213) 944-3109
Total Tanks:	4	Region:	Not reported
Facility Type:	1	Other Type:	Not reported

G24 CHEVRON #9-5306
NNW 12155 TELEGRAPH RD
1/8-1/4 SANTA FE SPRINGS, CA 90670
1124
Higher

LUST S102427289
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

CHEVRON #9-5306 (Continued)

S102427289

State LUST:

Cross Street:	NORWALK BLVD.	Qty Leaked:	Not reported
Reg Board:	Los Angeles Region		
Chemical:	Gasoline		
Lead Agency:	Regional Board		
Case Type:	Soil only		
Status:	Signed off, remedial action completed or deemed unnecessary		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	9/30/1991
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	07/17/96	Release Date:	09/30/91

Cross Street:	NORWALK BLVD	Qty Leaked:	Not reported
Reg Board:	Los Angeles Region		
Chemical:	Hydrocarbons		
Lead Agency:	Local Agency		
Case Type:	Soil only		
Status:	No leak action taken by responsible party after initial report of leak		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	Not reported	Release Date:	06/23/99

LUST Region 4:

Report Date:	09/30/1991
Cross Street:	NORWALK BLVD.
Lead Agency:	Regional Board
Local Agency:	19049
Active Site:	Not reported
Boundary:	Not reported
Owner Contact:	BETH COALSON, DESIREE CLOOS
Corporate Code:	Not reported
Substance:	8006619
Substance Qty:	Not reported
Case Number:	I-01120X
Case Type:	Soil
Status:	Signed off, remedial action completed or deemed unnecessary
Status Date:	7/17/1996
Abatement Method Used at the Site:	Not reported
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	9/30/1991
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Enforcement Action Date:	Not reported
Remedial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	7/17/1996
Date Case was Given Regional Board Lead	
After Referred from Local Agency:	Not reported
Depth to Groundwater:	Not reported
Emergency Response:	No
Enforcement Action Date:	Not reported
Enforcement Type:	Not reported
Date Leak Record Entered:	12/19/1991

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CHEVRON #9-5306 (Continued)

S102427289

County: Los Angeles
Facility Telephone: (213)944-5709
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 19910927
How the Leak was Discovered: Other Means
Date The Leak was Stopped: 09/27/1991
How the Leak was Stopped: Other Means
Significant Interim Remedial Action Taken: Not reported
Cause of Leak: Unknown
Leak Source: Unknown
Operator of Site: MCCULLOGH, RANDY
Pilot Program on Financial Database: Not reported
User Sent Prop. 65 Notification: Yes
Regional Board: 04
Reporting Party Address: P.O. BOX 2833, LA HABRA, 90632
Date Leak First Reported: 09/30/1991
Who Reported the Leak: KANITRA, MARK
Who Reporting Party Represents: Owner
Date Case Last Changed on Database: 04/07/1993
Responsible Party: CHEVRON USA INC.
RP Address: P.O. BOX 2833, LA HABRA CA 90632-2833 D
RP Telephone: (213)694-7452
Date RP Search Completed: Not reported
Soil Type: Not reported
Use of First Tracking Date: CASE CLOSED BY RB
Tracking Date: 07/17/1996
Use of Second Tracking Date: Not reported
Tracking Date 2: Not reported
Use of Third Tracking Date: Not reported
Tracking Date 3: Not reported
Summary: CONTAMINATED SOIL DISCOVERED DURING BORING LDI SITE ASSESSMENT. POSSIBLY LEAK FROM AN OLD OIL LINE THAT RUN UNDERNEATH THE STATION.

25
North
1/8-1/4
1223
Higher

SHAMROCK TIRE & WHEEL
10332 NORWALK BLVD
SANTA FE SPRINGS, CA 90670

Cal-Sites S102860876
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

SHAMROCK TIRE & WHEEL (Continued)

S102860876

CAL-SITES:

Facility ID: 19340459
Status: REFOA - DOES NOT REQUIRE DTSC ACTION OR OVERSITE ACTIVITY. REFERED TO
OTHER AGENCY LEAD
Status Date: 08/15/1995
Lead: Not reported
Region: 3 - BURBANK
Branch: SA - SOUTHERN CA. - A
File Name: Not reported
Status Name: PROPERTY/SITE REFERRED TO ANOTHER AGENCY
Lead Agency: N/A
NPL: Not reported
SIC: 34 MANU - FABRICATED METAL PRODUCTS
Facility Type: N/A
Facility Type Name: Not reported
Staff Member Responsible for Site: Not reported
Supervisor Responsible for Site: MMONROY
Region Water Control Board: LA - LOS ANGELES
Access: Controlled
Cortese: C
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
No. of Contamintion Sources: 0.00000
Lat/Long: 0.00000' 0.00000' 0.00000" / 0.00000' 0.00000' 0.00000"
Lat/Long Method: Not reported
State Assembly District Code: Not reported
State Senate District: Not reported

26
NNW
1/8-1/4
1268
Higher

BRADSHAW INC
12131 TELEGRAPH ROAD
SANTA FE SPRINGS, CA 90670

UST

U001565009
N/A

State UST:

Facility ID: 5474
Tank Num: 1
Tank Capacity: 10000
Tank Used for: PRODUCT
Type of Fuel: UNLEADED
Leak Detection: None
Contact Name: MIKE SHLAUDEMAN
Total Tanks: 1
Facility Type: 2
Container Num: 1
Year Installed: 1983
Tank Constrctn: 1/4 gauge
Telephone: (213) 946-7333
Region: Not reported
Other Type: FOOD BROKER

27
East
1/8-1/4
1284
Higher

TROJAN BATTERY COMPANY
12380 CLARK ST
SANTA FE SPRINGS, CA 90670

RCRIS-LQG 1000265386
CAD981966179

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

TROJAN BATTERY COMPANY (Continued)

1000265386

RCRIS:

Owner: DICK GODBER MARGE GODBER
(415) 555-1212

Contact: ENVIRONMENTAL MANAGER
(213) 943-8681

Record Date: 09/01/1996

Classification: Large Quantity Generator

BIENNIAL REPORTS:

Last Biennial Reporting Year: 1997

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	1268.00	D002	50474.00
D006	1268.00	D008	266474.00
P030	1268.00		

Used Oil Recyc: No

Violation Status: No violations found

H28
South
1/4-1/2
1472
Higher

BROTHERS AUTO
10801 NORWALK BLVD
SANTA FE SPRINGS, CA 90670

LUST

S103891074
N/A

State LUST:

Cross Street:	FLORENCE AVE	Qty Leaked:	Not reported
Reg Board:	Los Angeles Region		
Chemical:	Gasoline		
Lead Agency:	Local Agency		
Case Type:	Soil only		
Status:	Signed off, remedial action completed or deemed unnecessary		
Abate Method:	Excavate and Dispose - remove contaminated soil and dispose in approved site		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	03/29/99	Release Date:	03/31/99

LUST Region 4:

Report Date:	03/31/1999
Cross Street:	FLORENCE AVE
Lead Agency:	Local Agency
Local Agency:	19049
Active Site:	Not reported
Boundary:	Not reported
Owner Contact:	RICHARD A. HAYES
Corporate Code:	Not reported
Substance:	8006619
Substance Qty:	Not reported
Case Number:	906700370
Case Type:	Soil
Status:	Signed off, remedial action completed or deemed unnecessary
Status Date:	Not reported
Abatement Method Used at the Site:	Excavate and Dispose
Date Confirmation Leak Began:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BROTHERS AUTO (Continued)

S103891074

Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Enforcement Action Date: Not reported
Remdial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 3/29/1999
Date Case was Given Regional Board Lead
After Referred from Local Agency: Not reported
Depth to Groundwater: 80
Emergency Responce: Not reported
Enforcement Action Date: Not reported
Enforcement Type: Not reported
Date Leak Record Entered: Not reported
County: Los Angeles
Facility Telephone: (562)941-1440
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 19980612
How the Leak was Discovered: TR
Date The Leak was Stopped: 06/12/1998
How the Leak was Stopped: Other Means
Significant Interim Remedial Action Taken: Not reported
Cause of Leak: Unknown
Leak Source: Unknown
Operator of Site: RICHARD ARRIAGA
Pilot Program on Financial Database: Not reported
User Sent Prop. 65 Notification: Not reported
Regional Board: 04
Reporting Party Address: RICHARD A. HAYES, 11901 E. FLORENCE AVE., SANTA FE SPRINGS, CA 90670
Date Leak First Reported: 03/31/1999
Who Reported the Leak: HATHAWAY PROPERTIES, INC. (808) 875-7091
Who Reporting Party Represents: Owner
Date Case Last Changed on Database: 03/31/1999
Responsible Party: HATHAWAY PROPERTIES, INC.
RP Address: 11901 E. FLORENCE, SANTA FE SPRING, CA 90670
RP Telephone: (808)875-7091
Date RP Search Completed: Not reported
Soil Type: Not reported
Use of First Tracking Date: NEW LEAK REPORT
Tracking Date: 03/31/1999
Use of Second Tracking Date: CASE CLOSED BY CITY OF SANTA FE SPRING
Tracking Date 2: 3/29/1999
Use of Third Tracking Date: Not reported
Tracking Date 3: Not reported
Summary: Not reported

H29
South
1/4-1/2
1475
Higher

SUPERIOR OIL TOOL
12180 FLORENCE AVE
SANTA FE SPRINGS, CA 90670

LUST

S101297981
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUPERIOR OIL TOOL (Continued)

S101297981

State LUST:

Cross Street:	NORWALK BLVD.	Qty Leaked:	Not reported
Reg Board:	Los Angeles Region		
Chemical:	Diesel		
Lead Agency:	Local Agency		
Case Type:	Soil only		
Status:	Signed off, remedial action completed or deemed unnecessary		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	9/20/1990
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	4/21/1992	Monitoring:	Not reported
Close Date:	04/07/94	Release Date:	09/20/90

LUST Region 4:

Report Date:	09/20/1990
Cross Street:	NORWALK BLVD.
Lead Agency:	Local Agency
Local Agency:	19000
Active Site:	Not reported
Boundary:	Not reported
Owner Contact:	JOE OBEGI
Corporate Code:	Not reported
Substance:	12034
Substance Qty:	Not reported
Case Number:	I-13906
Case Type:	Soil
Status:	Signed off, remedial action completed or deemed unnecessary
Status Date:	4/7/1994

Abatement Method Used at the Site:	Not reported
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	Not reported
Preliminary Site Assessment Began:	9/20/1990
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Enforcement Action Date:	Not reported
Remdial Action Underway:	4/21/1992
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	4/7/1994
Date Case was Given Regional Board Lead	
After Referred from Local Agency:	Not reported
Depth to Groundwater:	Not reported
Emergency Responce:	No
Enfocement Action Date:	Not reported
Enforcment Type:	Not reported
Date Leak Record Entered:	12/4/1990
County:	Los Angeles
Facility Telephone:	(213)802-2164
Source of Cleanup Funding:	Federal Funds
Date the Leak was Discovered:	19900816
How the Leak was Discovered:	Tank Closure
Date The Leak was Stopped:	08/16/1990
How the Leak was Stopped:	Close Tank
Significant Interim Remedial Action Taken:	Not reported
Cause of Leak:	Unknown
Leak Source:	Unknown
Operator of Site:	GUNN, JERRY
Pilot Program on Financial Database:	Yes

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

SUPERIOR OIL TOOL (Continued)

S101297981

User Sent Prop. 65 Notification: Yes
Regional Board: 04
Reporting Party Address: LADPW 900 FREMONT AVE.,S., ALHAMBRA, 91803
Date Leak First Reported: 09/20/1990
Who Reported the Leak: ESFANDI, DAVID
Who Reporting Party Represents: Local Agency
Date Case Last Changed on Database: 04/07/1994
Responsible Party: A. HATHAWAY RECOVERABLE TRUST
RP Address: P.O. BOX 16391, IRVINE, CA 92713
RP Telephone: (714)786-1182
Date RP Search Completed: Not reported
Soil Type: Not reported
Use of First Tracking Date: CASE CLOSED BY LAC DPW
Tracking Date: 04/07/1994
Use of Second Tracking Date: Not reported
Tracking Date 2: Not reported
Use of Third Tracking Date: Not reported
Tracking Date 3: Not reported
Summary: CLOSURE PERMIT NO. 3572B

30
SSW
1/4-1/2
1733
Higher

**JOHN ALEXANDER CO.
12040 FLORENCE AVE
SANTA FE SPRINGS, CA 90670**

CA SLIC

**S102002417
N/A**

SLIC Region 4:

Facility Status: Closure
SLIC 515
Region: 4

Substance: TPH
Staff: Manjulika Chakarbarti

31
South
1/4-1/2
1740
Higher

**CHARLES L GODBEY
10840 S NORWALK BLVD
SANTA FE SPRINGS, CA 90701**

LUST

**S102061907
N/A**

State LUST:

Cross Street:	ARTESIA	Qty Leaked:	Not reported
Reg Board:	Los Angeles Region		
Chemical:	Not reported		
Lead Agency:	Local Agency		
Case Type:	Soil only		
Status:	Signed off, remedial action completed or deemed unnecessary		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	04/16/96	Release Date:	04/16/96

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CHARLES L GODBEY (Continued)

S102061907

LUST Region 4:

Report Date: 04/16/1996
Cross Street: ARTESIA
Lead Agency: Local Agency
Local Agency: 19049
Active Site: Not reported
Boundary: Not reported
Owner Contact: GODBEY, CHARLES L.
Corporate Code: Not reported
Substance: Not reported
Substance Qty: Not reported
Case Number: R-22987
Case Type: Soil
Status: Signed off, remedial action completed or deemed unnecessary
Status Date: 4/16/1996
Abatement Method Used at the Site: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Enforcement Action Date: Not reported
Remdial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 4/16/1996
Date Case was Given Regional Board Lead
After Referred from Local Agency: Not reported
Depth to Groundwater: Not reported
Emergency Responce: Not reported
Enfocement Action Date: Not reported
Enforcment Type: Not reported
Date Leak Record Entered: 4/29/1996
County: Los Angeles
Facility Telephone: Not reported
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: Not reported
How the Leak was Discovered: Not reported
Date The Leak was Stopped: Not reported
How the Leak was Stopped: Not reported
Significant Interim Remedial Action Taken: Not reported
Cause of Leak: Not reported
Leak Source: Not reported
Operator of Site: Not reported
Pilot Program on Financial Database: Not reported
User Sent Prop. 65 Notification: Not reported
Regional Board: 04
Reporting Party Address: Not reported
Date Leak First Reported: 04/16/1996
Who Reported the Leak: DPW
Who Reporting Party Represents: Not reported
Date Case Last Changed on Database: 04/16/1996
Responsible Party: Not reported
RP Address: P.O. BOX 860, HCR 82 MIDDLETOWN CA 95461
RP Telephone: Not reported
Date RP Search Completed: Not reported
Soil Type: Not reported
Use of First Tracking Date: CASE CLOSED BY DPW

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

CHARLES L GODBEY (Continued)

S102061907

Tracking Date: 04/16/1996
Use of Second Tracking Date: Not reported
Tracking Date 2: Not reported
Use of Third Tracking Date: Not reported
Tracking Date 3: Not reported
Summary: Not reported

32
SSE
1/4-1/2
2047
Higher

TRANSIT MIXED CONCRETE COMPANY
12222 FLORENCE AVE
SANTA FE SPRINGS, CA 90670

LUST

S102439205
N/A

State LUST:

Cross Street: NORWALK BLVD.
Reg Board: Los Angeles Region Qty Leaked: Not reported
Chemical: Diesel
Lead Agency: Regional Board
Case Type: Other ground water affected
Status: Signed off, remedial action completed or deemed unnecessary
Review Date: Not reported Confirm Leak: Not reported
Workplan: Not reported Prelim Assess: Not reported
Pollution Char: Not reported Remed Plan: Not reported
Remed Action: Not reported Monitoring: Not reported
Close Date: 07/23/96 Release Date: 05/05/92

LUST Region 4:

Report Date: 05/05/1992
Cross Street: NORWALK BLVD.
Lead Agency: Regional Board
Local Agency: 19049
Active Site: Not reported
Boundary: Not reported
Owner Contact: YOUNG, JOHN & MCCASKILL, EARL
Corporate Code: Not reported
Substance: 12034
Substance Qty: Not reported
Case Number: I-12222
Case Type: Groundwater
Status: Signed off, remedial action completed or deemed unnecessary
Status Date: 7/23/1996
Abatement Method Used at the Site: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: Not reported
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Enforcement Action Date: Not reported
Remdial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 7/23/1996
Date Case was Given Regional Board Lead
After Referred from Local Agency: 9/14/1995
Depth to Groundwater: Not reported
Emergency Responce: No
Enfocement Action Date: Not reported
Enforcment Type: Warning/Notice of Violation to Uncooperative RPs
Date Leak Record Entered: 5/26/1992
County: Los Angeles

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

TRANSIT MIXED CONCRETE COMPANY (Continued)

S102439205

Facility Telephone: (213)944-6008
Source of Cleanup Funding: Federal Funds
Date the Leak was Discovered: 19880914
How the Leak was Discovered: Subsurface Monitoring
Date The Leak was Stopped: Not reported
How the Leak was Stopped: Not reported
Significant Interim Remedial Action Taken: Not reported
Cause of Leak: Unknown
Leak Source: Tank
Operator of Site: YOUNG, JOHN
Pilot Program on Financial Database: Yes
User Sent Prop. 65 Notification: Yes
Regional Board: 04
Reporting Party Address: 900 S. FREMONT AVE., ALHAMBRA, 91803
Date Leak First Reported: 05/05/1992
Who Reported the Leak: GONZALEZ, ERIC
Who Reporting Party Represents: Local Agency
Date Case Last Changed on Database: 08/28/1996
Responsible Party: TRANSIT MIXED CONCRETE
RP Address: 4760 VALLEY BLVD., LOS ANGELES, 900328
RP Telephone: (213)944-6008
Date RP Search Completed: Not reported
Soil Type: Not reported
Use of First Tracking Date: CASE CLOSED BY RB
Tracking Date: 07/23/1996
Use of Second Tracking Date: WELL ABANDONMENT REPORT
Tracking Date 2: 8/28/1996
Use of Third Tracking Date: Not reported
Tracking Date 3: Not reported
Summary: SOIL & GROUNDWATER CONTAMINATION CONFIRMED.

D

33
East
1/4-1/2
2097
Higher

SUNRISE LANDSCAPE
12542 CLARK ST
SANTA FE SPRINGS, CA 90670

LUST

S102438224
N/A

State LUST:

Cross Street:	BLOOMFIELD AVE	Qty Leaked:	Not reported
Reg Board:	Los Angeles Region		
Chemical:	Diesel		
Lead Agency:	Local Agency		
Case Type:	Soil only		
Status:	Signed off, remedial action completed or deemed unnecessary		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	Not reported	Prelim Assess:	6/10/1992
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	03/07/94	Release Date:	06/10/92

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

SUNRISE LANDSCAPE (Continued)

S102438224

LUST Region 4:

Report Date: 06/10/1992
Cross Street: BLOOMFIELD AVE
Lead Agency: Local Agency
Local Agency: 19049
Active Site: Not reported
Boundary: Not reported
Owner Contact: MARTINEZ, RAMIRO
Corporate Code: Not reported
Substance: 12034
Substance Qty: Not reported
Case Number: I-10382
Case Type: Soil
Status: Signed off, remedial action completed or deemed unnecessary
Status Date: 3/7/1994
Abatement Method Used at the Site: Not reported
Date Confirmation Leak Began: Not reported
Preliminary Site Assessment Workplan Submitted: Not reported
Preliminary Site Assessment Began: 6/10/1992
Pollution Characterization Began: Not reported
Remediation Plan Submitted: Not reported
Enforcement Action Date: Not reported
Remdial Action Underway: Not reported
Post Remedial Action Monitoring Began: Not reported
Date the Case was Closed: 3/7/1994
Date Case was Given Regional Board Lead
After Referred from Local Agency: Not reported
Depth to Groundwater: Not reported
Emergency Responce: No
Enfocement Action Date: Not reported
Enforcment Type: Not reported
Date Leak Record Entered: 7/1/1992
County: Los Angeles
Facility Telephone: (213)946-3055
Source of Cleanup Funding: Not reported
Date the Leak was Discovered: 19910213
How the Leak was Discovered: Tank Closure
Date The Leak was Stopped: 02/13/1991
How the Leak was Stopped: Close Tank
Significant Interim Remedial Action Taken: Not reported
Cause of Leak: Unknown
Leak Source: Unknown
Operator of Site: MARTINEZ, RAMIRO
Pilot Program on Financial Database: Not reported
User Sent Prop. 65 Notification: Yes
Regional Board: 04
Reporting Party Address: 900 S FREMONT AVE, ALHAMBRA, CA 91803
Date Leak First Reported: 06/10/1992
Who Reported the Leak: POWERS, KAREN
Who Reporting Party Represents: Local Agency
Date Case Last Changed on Database: 05/25/1993
Responsible Party: SUNRISE LANDSCAPE
RP Address: 12520 CLARK AVE, SANTA FE SPRINGS CA 90670
RP Telephone: (310)946-3055
Date RP Search Completed: Not reported
Soil Type: Not reported
Use of First Tracking Date: CASE CLOSED BY DPW LOP

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

SUNRISE LANDSCAPE (Continued)

EDR ID Number
EPA ID Number

S102438224

Tracking Date: 03/07/1994
Use of Second Tracking Date: Not reported
Tracking Date 2: Not reported
Use of Third Tracking Date: Not reported
Tracking Date 3: Not reported
Summary: Not reported

34
ESE
1/4-1/2
2163
Higher

PLATE SHOP THE
10701 FOREST ST
SANTA FE SPRING, CA 90670

Cal-Sites 1000397676
RCRIS-LQG CAD038195590

RCRIS:

Owner: JOHN HUSBAND
(415) 555-1212
Contact: ENVIRONMENTAL MANAGER
(213) 941-6175
Record Date: 02/03/1981
Classification: Large Quantity Generator
Used Oil Recyc: No
Violation Status: No violations found

CAL-SITES:

Facility ID 19340724
Status: REFOA - DOES NOT REQUIRE DTSC ACTION OR OVERSITE ACTIVITY. REFERED TO OTHER AGENCY LEAD
Status Date: 11/08/1994
Lead: Not reported
Region: 3 - BURBANK
Branch: SA - SOUTHERN CA. - A
File Name: Not reported
Status Name: PROPERTY/SITE REFERRED TO ANOTHER AGENCY
Lead Agency: N/A
NPL: Not reported
SIC: 34 MANU - FABRICATED METAL PRODUCTS
Facility Type: N/A
Facility Type Name: Not reported
Staff Member Responsible for Site: Not reported
Supervisor Responsible for Site: MMONROY
Region Water Control Board: LA - LOS ANGELES
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
No. of Contamination Sources: 0.00000
Lat/Long: 0.00000° 0.00000° 0.00000° / 0.00000° 0.00000° 0.00000°
Lat/long Method: Not reported
State Assembly District Code: Not reported
State Senate District: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

35 UNOCAL - SANTA FE SPRINGS OIL FIELD
North 10122 NORWALK BLVD
1/4-1/2 SANTA FE SPRINGS, CA 90670
2197
Higher

CA SLIC S102002421
N/A

SLIC Region 4:

Facility Status: Closure
SLIC 519
Region: 4

Substance: TPH
Staff: Manjulika Chakrabarti

36 BEAUMON FAMILY TRUST
ENE 12525 PARK ST
1/4-1/2 SANTA FE SPRINGS, CA 90670
2299
Higher

CA SLIC S101642818
N/A

SLIC Region 4:

Facility Status: Remediation
SLIC 467
Region: 4

Substance: VOCs
Staff: John Geroch

37 ATLAS RADIATOR, INCORPORATED
North 10110 NORWALK BLVD
1/4-1/2 SANTA FE SPRINGS, CA 90670
2403
Higher

Cal-Sites S102860905
N/A

CAL-SITES:

Facility ID 19750080
Status: NFA - NO FURTHER ACTION FOR DTSC
Status Date: 04/28/1995
Lead: DTSC
Region: 3 - BURBANK
Branch: SA - SOUTHERN CA. - A
File Name: ATLAS RADIATOR, INC.
Status Name: NO FURTHER ACTION FOR DTSC
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not reported
SIC: 75 AUTO REPAIR, SERVICES & PARKING
Facility Type: VOLUNTARY CLEANUP PROGRAM
Facility Type Name: VCP
Staff Member Responsible for Site: JVILLAMA
Supervisor Responsible for Site: SAMIREBR
Region Water Control Board: Not reported
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
No. of Contamination Sources: 0.00000
Lat/Long: 56.00000° 30.00000° 0.00000° / 118.00000° 4.00000° 0.00000°
Lat/long Method: Not reported
State Assembly District Code: Not reported
State Senate District: Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

38
NW
1/4-1/2
2589
Higher

PEDRO PETROLEUM/WEST OIL
11916 E TELEGRAPH RD
SANTA FE SPRINGS, CA 90670

LUST

S102062221
N/A

State LUST:

Cross Street:	PIONEER BLVD	Qty Leaked:	Not reported
Reg Board:	Los Angeles Region		
Chemical:	Gasoline		
Lead Agency:	Regional Board		
Case Type:	Soil only		
Status:	Signed off, remedial action completed or deemed unnecessary		
Review Date:	Not reported	Confirm Leak:	Not reported
Workplan:	3/10/1994	Prelim Assess:	Not reported
Pollution Char:	Not reported	Remed Plan:	Not reported
Remed Action:	Not reported	Monitoring:	Not reported
Close Date:	01/28/97	Release Date:	07/19/94

LUST Region 4:

Report Date:	07/19/1994
Cross Street:	PIONEER BLVD
Lead Agency:	Regional Board
Local Agency:	19049
Active Site:	Not reported
Boundary:	Not reported
Owner Contact:	DOHERTY, BOB
Corporate Code:	Not reported
Substance:	8006619
Substance Qty:	Not reported
Case Number:	I-21538X
Case Type:	Soil
Status:	Signed off, remedial action completed or deemed unnecessary
Status Date:	1/28/1997
Abatement Method Used at the Site:	Not reported
Date Confirmation Leak Began:	Not reported
Preliminary Site Assessment Workplan Submitted:	3/10/1994
Preliminary Site Assessment Began:	Not reported
Pollution Characterization Began:	Not reported
Remediation Plan Submitted:	Not reported
Enforcement Action Date:	Not reported
Remdial Action Underway:	Not reported
Post Remedial Action Monitoring Began:	Not reported
Date the Case was Closed:	1/28/1997
Date Case was Given Regional Board Lead	
After Referred from Local Agency:	9/14/1995
Depth to Groundwater:	Not reported
Emergency Responce:	Not reported
Enfocement Action Date:	Not reported
Enforcment Type:	Not reported
Date Leak Record Entered:	11/3/1995
County:	Los Angeles
Facility Telephone:	Not reported
Source of Cleanup Funding:	Not reported
Date the Leak was Discovered:	Not reported
How the Leak was Discovered:	Not reported
Date The Leak was Stopped:	Not reported
How the Leak was Stopped:	Not reported
Significant Interim Remedial Action Taken:	Not reported
Cause of Leak:	Not reported

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PEDRO PETROLEUM/WEST OIL (Continued)

S102062221

Leak Source:	Not reported
Operator of Site:	Not reported
Pilot Program on Financial Database:	Not reported
User Sent Prop. 65 Notification:	Not reported
Regional Board:	04
Reporting Party Address:	Not reported
Date Leak First Reported:	07/19/1994
Who Reported the Leak:	DPW
Who Reporting Party Represents:	Local Agency
Date Case Last Changed on Database:	08/04/1994
Responsible Party:	PEDRO PETROLEUM
RP Address:	PO BOX 15116, LONG BEACH, CA 90815
RP Telephone:	Not reported
Date RP Search Completed:	Not reported
Soil Type:	Not reported
Use of First Tracking Date:	FILES SENT TO CRWQCB
Tracking Date:	09/14/1995
Use of Second Tracking Date:	GK ASSIGNED CASE TO JFL
Tracking Date 2:	1/7/1996
Use of Third Tracking Date:	CASE CLOSED BY RB
Tracking Date 3:	1/28/1997
Summary:	Not reported

39
SE
1/2-1
3760
Higher

WALKER PROPERTIES
SOUTHEAST CORNER BLOOMFIELD AVENUE / LAKELAND RD
SANTA FE SPRINGS, CA 90670

Ca. BEP

S100833515
N/A

140
SE
1/2-1
3904
Higher

WALKER PROPERTIES
SW CORNR OF BLOOMFIELD AVE / LAKELAND RD
SANTA FE SPRINGS, CA 90670

AWP
Cal-Sites

S101272779
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

WALKER PROPERTIES (Continued)

S101272779

CAL-SITES:

Facility ID: 19290245
Status: CERT - CERTIFIED AS HAVING BEEN REMEDIED SATISFACTORILY UNDER DTSC
OVERSIGHT
Status Date: 11/24/1998
Lead: DTSC
Region: 3 - BURBANK
Branch: SA - SOUTHERN CA. - A
File Name: Not reported
Status Name: CERTIFIED
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not Listed
SIC: 29 MANU - PETROLEUM & COAL PRODUCTS
Facility Type: RESPONSIBLE PARTY
Facility Type Name: RP
Staff Member Responsible for Site: RGEBERT
Supervisor Responsible for Site: SAMIREBR
Region Water Control Board: LA - LOS ANGELES
Access: Uncontrolled
Cortese: U
Hazardous Ranking Score: 08.71
Date Site Hazard Ranked: 10311989
Groundwater Contamination: Suspected
No. of Contamination Sources: 2.00000
Lat/Long: 33.00000° 55.00000° 53.00000° / 118.00000° 3.00000° 45.00000°
Lat/long Method: TEALE ADDRESS MATCH
State Assembly District Code: 58
State Senate District: 30

AWP Facility ID: 19290245 Facility Type: RP

I41
SE
1/2-1
3928
Higher

LA CTRS FOR ALCOHOL AND DRUG ABUSE
11015 BLOOMFIELD AVE
SANTA FE SPRINGS, CA 90670

Cal-Sites
S103393781
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LA CTRS FOR ALCOHOL AND DRUG ABUSE (Continued)

S103393781

CAL-SITES:

Facility ID 19830006
Status: NA
Status Date: 03/23/1995
Lead: DTSC
Region: 3 - BURBANK
Branch: CM - CALMORTGAGE
File Name: Not reported
Status Name: NO ACTION - FOR CALMORTGAGE ONLY
Lead Agency: DEPT OF TOXIC SUBSTANCES CONTROL
NPL: Not reported
SIC: 83 SOCIAL SERVICES
Facility Type: CALMORTGAGE ONLY
Facility Type Name: CMORT
Staff Member Responsible for Site: SKARINEN
Supervisor Responsible for Site: BCOLER
Region Water Control Board: LA - LOS ANGELES
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
No. of Contamination Sources: 0.00000
Lat/Long: 0.00000° 0.00000° / 0.00000° 0.00000° 0.00000°
Lat/Long Method: Not reported
State Assembly District Code: Not reported
State Senate District: Not reported

42
NW
1/2-1
4430
Higher

SANTA FE SPRINGS WASTEWATER DISPOSAL
9814 S ALBUSTIS AVE
SANTA FE SPRINGS, CA 90670

Cal-Sites 1000395143
CAD982360406

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SANTA FE SPRINGS WASTEWATER DISPOSAL (Continued)

1000395143

CAL-SITES:

Facility ID: 19490017
Status: REFRW - DOES NOT REQUIRE DTSC ACTION. REFERRED TO REGIONAL WATER QUALITY CONTROLBOARD (RWQCB) LEAD
Status Date: 05/26/1995
Lead: RWQCB
Region: 3 - BURBANK
Branch: SA - SOUTHERN CA. - A
File Name: Not reported
Status Name: PROPERTY/SITE REFERRED TO RWQCB
Lead Agency: REGIONAL WATER QUALITY CONTROL BOARD
NPL: Not reported
SIC: 49 ELECTRIC, GAS & SANITARY SERVICES
Facility Type: N/A
Facility Type Name: Not reported
Staff Member Responsible for Site: WILDER
Supervisor Responsible for Site: MMONROY
Region Water Control Board: LA - LOS ANGELES
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
No. of Contamination Sources: 0.00000
Lat/Long: 0.00000° 0.00000° 0.00000" / 0.00000° 0.00000° 0.00000"
Lat/long Method: Not reported
State Assembly District Code: Not reported
State Senate District: Not reported

43
ENE
1/2-1
4488
Higher

LUSK, INC
10010 ROMANDEL AVE
SANTA FE SPRINGS, CA 90670

Cal-Sites

S102860862
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

LUSK, INC (Continued)

S102860862

CAL-SITES:

Facility ID 19281195
Status: REFOA - DOES NOT REQUIRE DTSC ACTION OR OVERSITE ACTIVITY. REFERED TO
OTHER AGENCY LEAD
Status Date: 04/14/1982
Lead: Not reported
Region: 3 - BURBANK
Branch: SA - SOUTHERN CA. - A
File Name: Not reported
Status Name: PROPERTY/SITE REFERRED TO ANOTHER AGENCY
Lead Agency: N/A
NPL: Not reported
SIC: 28 MANU - CHEMICALS & ALLIED PRODUCTS
Facility Type: N/A
Facility Type Name: Not reported
Staff Member Responsible for Site: Not reported
Supervisor Responsible for Site: Not reported
Region Water Control Board: Not reported
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
No. of Contamination Sources: 0.00000
Lat/Long: 0.00000° 0.00000° 0.00000" / 0.00000° 0.00000° 0.00000"
Lat/long Method: Not reported
State Assembly District Code: Not reported
State Senate District: Not reported

44
North
1/2-1
4608
Higher

LOS ANGELES BY-PRODUCTS (NORWALK PIT #2)
9615 NORWALK BLVD
SANTA FE SPRINGS, CA 90670

Cal-Sites S101480962
N/A

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

Database(s)
EDR ID Number
EPA ID Number

LOS ANGELES BY-PRODUCTS (NORWALK PIT #2) (Continued)

S101480962

CAL-SITES:

Facility ID: 19490147
Status: NFA - NO FURTHER ACTION FOR DTSC
Status Date: 01/15/1992
Lead: Not reported
Region: 3 - BURBANK
Branch: SB - SOUTHERN CA. - B
File Name: Not reported
Status Name: NO FURTHER ACTION FOR DTSC
Lead Agency: N/A
NPL: Not reported
SIC: 49 ELECTRIC, GAS & SANITARY SERVICES
Facility Type: N/A
Facility Type Name: Not reported
Staff Member Responsible for Site: Not reported
Supervisor Responsible for Site: MMONROY
Region Water Control Board: LA - LOS ANGELES
Access: Not reported
Cortese: Not reported
Hazardous Ranking Score: Not reported
Date Site Hazard Ranked: Not reported
Groundwater Contamination: Not reported
No. of Contamination Sources: 0.00000
Lat/Long: 0.00000° 0.00000' 0.00000" / 0.00000° 0.00000' 0.00000"
Lat/Long Method: Not reported
State Assembly District Code: Not reported
State Senate District: Not reported

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
KERN COUNTY	1000155626	MCFARLAND ENERGY TEN SECTION F	2 MI E HWY 5 PANAMA LN	90670	RCRIS-SQG	
KERN COUNTY	1000155628	MCFARLAND ENERGY ISABELL LEASE	8 MI N BKRSFLD HWY 65	90670	RCRIS-SQG	
LANCASTER	U001565050	HATHAWAY RANCH	AVENUE I & 60TH NE	90670	UST	00000034396
LOS ANGELES COUNTY	S103340260	SO. CAL. DISPOSAL AKA HAMILTON AVE LF	186TH AND VERMONT AVE		SWF/LF	19-AA-5544
LOS ANGELES COUNTY	S103587974	MARY BEZAYIFF	3937 E. FIRST ST. , BELVEDERE		SWF/LF	19-AA-5675
LOS ANGELES COUNTY	S102360641	SAN CLEMENTE ISLAND LANDFILL	SAN CLEMENTE ISLAND		SWF/LF	19-AA-0063
LOS ANGELES COUNTY	S102360787	TOYON CANYON COVE, CATALINA ISLAND	1 TOYON BAY		SWF/LF	19-AA-5234
SANTA FE SPRING	1000106841	SUN CHEMICAL CORP - GPI DIVISI	12963 PARK ST	90670	RCRIS-LQG	
SANTA FE SPRING	1000372630	GEARY TANK FARM	1 TELEGRAPH RD AND MODERN	90670	RCRIS-SQG	
SANTA FE SPRINGS	S103945816	LAKIN TIRE WEST, INC.--FOSTER RD.	13215 FOSTER ROAD		SWF/LF	19-TI-0958
SANTA FE SPRINGS	S101480548	RICHFIELD OIL CORPORATION	123 WEST HADLEY	90670	Cal-Sites	19130033
SANTA FE SPRINGS	1001217402	SOUTHERN CALIFORNIA FLEET SVC	12902 E PARK ST UNIT A	90670	RCRIS-SQG	
SANTA FE SPRINGS	S103546752	UNOCAL - ALEXANDER FEE	TELEGRAPH ROAD	90670	CA SLIC	
SANTA FE SPRINGS	S103878671	MOBIL - OFRP	TELEGRAPH ROAD	90670	CA SLIC	
SAUGUS	U001565007	BLACK LEASE	SAN MARTINEZ GRANDE CANYON RD.	90670	UST	00000046786

EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D006	CADMIUM
D008	LEAD
P030	CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM RECORDS:

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 08/26/99

Date Made Active at EDR: 11/11/99

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 08/30/99

Elapsed ASTM days: 73

Date of Last EDR Contact: 08/30/99

ERNS: Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 10/28/99

Date Made Active at EDR: 12/03/99

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 11/01/99

Elapsed ASTM days: 32

Date of Last EDR Contact: 11/01/99

NPL: National Priority List

Source: EPA

Telephone: N/A

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC).

Date of Government Version: 07/22/99

Date Made Active at EDR: 09/10/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/05/99

Elapsed ASTM days: 36

Date of Last EDR Contact: 08/05/99

RCRIS: Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 09/01/99

Date Made Active at EDR: 11/17/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 10/06/99

Elapsed ASTM days: 42

Date of Last EDR Contact: 10/04/99

CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/99

Date Made Active at EDR: 04/16/99

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 03/17/99

Elapsed ASTM days: 30

Date of Last EDR Contact: 09/13/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FEDERAL NON-ASTM RECORDS:

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/95

Database Release Frequency: Biennially

Date of Last EDR Contact: 09/23/99

Date of Next Scheduled EDR Contact: 12/20/99

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

STATE OF CALIFORNIA ASTM RECORDS:

BEP: Bond Expenditure Plan

Source: Department of Health Services

Telephone: 916-255-2118

Department of Health Services developed a site-specific expenditure plan as the basis for an appropriation of Hazardous Substance Cleanup Bond Act funds. It is not updated.

Date of Government Version: 01/01/89

Date Made Active at EDR: 08/02/94

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 07/27/94

Elapsed ASTM days: 6

Date of Last EDR Contact: 05/31/94

CAL-SITES (AWP): Annual Workplan

APPENDIX B
AGENCY FILE DOCUMENTS



County of Los Angeles - Fire Department
Prevention Bureau
Hazardous Waste Control Program

Facsimile Transmittal Sheet

To: TOM WALKER
MIDBIL DIA

Phone: (310) 903 2725 FAX: (310) 903-2731

Date/Time: 17 0845 NOV 93

From: GEORGE F. BAKER

Hazardous Waste Control Program
7300 E. Alondra Blvd.
Paramount, Calif. 90732

Phone: (310) 790-1810 FAX: (310) 790-8002

Total number of PAGES, including this cover sheet 9

Comments: AS INDICATED

SITE MIT GUIDANCE FOR
WORK PLANS

Los Angeles County
Fire Department
Prevention Bureau
Hazardous Waste
Control Program

HAZMAT

Log # [yynnnn]: 933143-117 ☐ Emergency Response ☐ Illegal Storage
Received by: LR Date: 11/4/93 ☒ Illegal Disposal Onsite ☐ Clean-up
Log entry by: LR Date: 11/4/93 ☐ Illegal Disposal Offsite ☐ Public Health License

Name: Continental Heat Treating Phone: _____

Address: 10643 Norwalk City: Santa Fe Springs

Substance: Solvents Zip: 90670

Scope: Attended Report indicate possible
illegal discharge into auto exhaust
Scan PCB metal degreaser container
Inspection

Status: _____

Section Assign To: ☐ SER ☐ SPV ☒ SPS ☐ SEE ☐ OC ☐ OM ☐ OER ☐ OEF ☐ OSM Date: _____

Inspector Assign To: LR Assign By: FR Date: 11/4/93

Service Requested By: LR

Address: _____ Phone: _____

Request For Service

Los Angeles County
Fire Department
Prevention Bureau
Hazardous Waste
Control Program

933143-117

Received by: LR Date: 11/4/93

Entry by: LR Date: 11/4/93

- ☐ Emergency Response
- ☐ Illegal Storage
- ☒ Illegal Disposal Onsite
- ☐ Clean-up
- ☐ Illegal Disposal Offsite
- ☐ Public Health License

Name: Continental Heat Treating Phone:

Address: 10643 Norwalk City: Santa Fe Springs

Solvents Zip: 90670

SCOPE: Attached Report indicates possible

illegal discharge into air to surface

from PCE metal degreaser

Inspection

Status:

Condition Assign To: ☐ SGV ☐ SFV ☒ SGE ☐ SB ☐ OC ☐ OM ☐ ER ☐ ENF ☐ SM Date:

For Assign To: GB Assign By: JR Date: 11-5-93

Service Requested By: LR

Address: Phone:

You have
to call
(mp)

Health Haz Mat Div 213 890 4046 F.01
Mobil Exploration & Producing U.S. Inc.

10136 SOUTH SHOREWAKER AVENUE
SANTA FE SPRINGS, CALIFORNIA 90673

September 30, 1993
310-903-2725
FAC 90673

Santa Fe Springs Fire Department
Environmental Protection Division
11300 South Greenstone Avenue
Santa Fe Springs, CA 90670

Dear Sir or Madam:

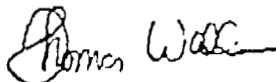
Mobil Oil Corporation ("Mobil") has learned that soil contamination exists at 10607 Norwalk Boulevard, Santa Fe Springs, California, a property owned by Mobil's affiliate, Mobil Foundation, Inc. (the "property").

Specifically, tests conducted by Mobil's environmental consultant demonstrate the presence of several contaminants in the soil, the primary ones of which are perchloroethylene, trichloroethylene and 1,2 dichloroethylene. Mobil believes that the primary contamination originates from an off-site source, Continental Heat Treating, Inc.

The enclosed letter by Mobil's environmental consultant summarizes the test results which Mobil will forward to you if you request. I may be reached at (310) 903-2725.

Mobil will be contacting the California Regional Water Quality Control Board on behalf of Mobil Foundation, Inc. to discuss further testing and cleanup of the property.

Very truly yours,



Tom Walker
Environmental Engineer

cc: California Regional Water Quality Control Board, Region 4
Department of Toxic Substances Control
Environmental Protection Agency, Region 9

cc: 10/5/93

Referred to Lance Balster LACo Health Haz Mat Site Mitigation
10/5/93 PK



September 23, 1993

Mr. T. M. Walker, P.E.
Environmental Engineer
Mobil Exploration and Producing U.S. Inc.
10735 South Shoemaker Avenue
Santa Fe Springs, CA 90670

PERCHLORETHYLENE (PCE) AND HEAVY METALS IN SOIL AT THE JALK LEASE

Dear Mr. Walker,

McLaren/Hart has completed our review of the site characterization report prepared by Levine/Fricke ("Draft Subsurface Soil Investigation, Jalk Fee Property, 10607 Norwalk Boulevard, Santa Fe Springs, California"). The report included data showing that the soil contains crude oil, which would be expected in an active oil field. The report also documented that the soil contains lead, which presumably leached from metal pipes in an area known as the "boneyard", and perchloroethylene (PCE), which we believe is a result of operations at the neighboring facility.

This letter briefly explains the significance of the findings which were presented in the Levine and Fricke report and makes recommendations on how Mobil should proceed.

HEAVY METALS

Total lead, mercury, and zinc were detected in the boneyard in the southwest corner of the property at maximum concentrations of 1,750, 34.1, and 10,000 milligrams per kilogram (mg/kg), respectively. These concentrations exceed the Total Threshold Limit Concentration (TTLC) of 1,000, 20, and 5,000 mg/kg. Soluble lead and zinc were also detected at maximum concentrations of 151 and 474 milligrams per liter (mg/l). These concentrations exceed the Soluble Threshold Limit Concentration (STLC) of 5 and 250, respectively. Samples exceeding the TTLC and STLC were found at both the three foot and the eight foot depths. No samples were collected below eight feet.

Although the lead samples were collected from random sample locations, it appears that the lead is confined to the northeast corner of the boneyard, representing approximately one third of the

STAFF/TERRELL/MS.LTD

16755 Von Karman Avenue, Irvine, CA 92714 (714) 756-2667 FAX (714) 756-8460

total surface area of the boneyard, approximately 6,100 square feet. Excavation of this area to a depth of eight feet would result in approximately 1,800 cubic yards of soil.

Since the data show that metal concentrations were increasing between 3 and 8 feet, it is reasonable to assume that the soil below 8 feet may contain metals exceeding the cleanup criteria. We recommend additional sampling below eight feet prior to excavation to define the vertical extent of heavy metals.

PERCHLOROETHYLENE (PCE)

Perchloroethylene and related compounds [trichloroethylene (TCE) and 1,2-dichloroethylene (DCE)] were detected in the soil at the Jalk Fee. These chlorinated compounds are used in such industries as dry cleaning, electronics, aerospace, and metal treating, but are not used in oil production. The maximum concentration of PCE in soil at the Jalk Fee is 2,500,000 parts per billion (ppb). The following sections describe the possible source of PCE at this location.

Santa Fe Springs Fire Department Record Review

In an attempt to identify possible sources of the PCE at the Jalk lease, McLaren/Hart reviewed the files at the Environmental Compliance Section of the City of Santa Fe Springs Fire Department. A written request to review the file on Continental Heat Treating was submitted by FAX on Tuesday, May 11, 1993 and the file was reviewed on Wednesday, May 12th. The following is a summary of the information in the file relevant to the PCE on the Jalk lease.

Use of PCE at Continental Heat Treating

The Continental Heat Treating facility was designed in 1968 and began operation in 1969. The facility drawings (Job # 6802, PE-1) dated August 20, 1968 showed a degreaser located approximately 120 feet west of the northeast corner of the building and 30 feet south of the northern wall of the building. A pipe trench was shown going from the degreaser to the north end of the building, just west of the electrical panel. The PCE on the Jalk lease was found in the area beginning exactly where the pipe trench left the building and continuing west to the northwest corner of the building. (See Figure 1)

In a letter to the City of Santa Fe Springs, dated March 30, 1987, Continental Heat Treating reported that PCE was "used for cleaning of parts prior to heat treating." The hazardous material registration forms (February 15, 1993) reported an average PCE use of 125 gallons per day and a maximum daily use of 250 gallons per day. The Business Plan described a 500 gallon above ground PCE tank, although the location of this tank could not be determined from the information in the file.

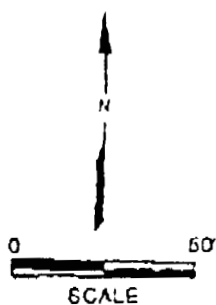
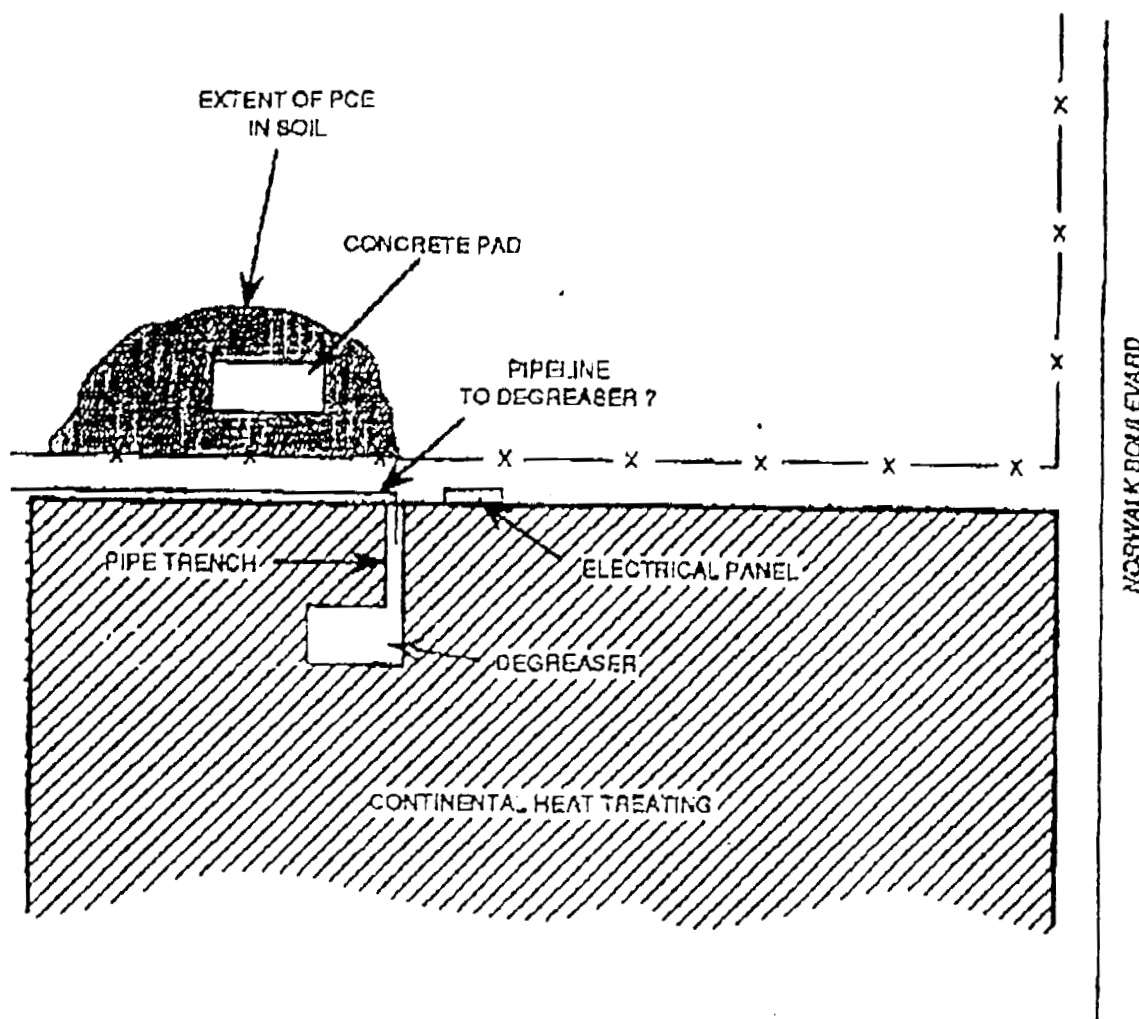


FIGURE 1
DISTRIBUTION OF
PERCHLOROETHYLENE (PCE) ON
JALK LEASE NEAR CONTINENTAL
HEAT TREATING DEGREASER

DATE	SD	DATE	6-20-93
APPROVED BY	DXD	DATE	
DATE	5-20-93	DATE	
DATE		DATE	
			89305114

Mr. T.M. Walker
September 22, 1993
Page 4

Documented Annual PCE Waste Generation

The hazardous materials registration forms (February 15, 1993) reported that 1.5 tons of PCE are generated each year at the facility. In the March 30, 1987 letter to the City of Santa Fe Springs, Continental Heat Treating reported that the PCE was stored in a tank provided by Acto Kleen Corporation and was disposed by Acto Kleen for recycling.

Hazardous Waste Code Violations

Continental Heat Treating has operated under an Industrial Waste Permit from the Los Angeles County Sanitation District and predecessor agencies since the 1970's. Permit # 4365 was issued on January 27, 1970 and Permit #4827 was issued on November 18, 1976. These permits did not include limits or sampling requirements for PCE.

Various inspections, violations, and complaints over the years were included in the file. These included:

- ▶ A Notice was issued on July 11, 1978 from the LA County Engineer ordering Continental Heat Treating to "clean the interceptor by July 18, 1978" and "maintain the interceptor in good operating condition at all times."
- ▶ An inspection report of April 5, 1982 noted under "Special Hazards and Conditions" that a degreaser was present in the northeast portion of the building.
- ▶ A complaint to the Fire Department was recorded on October 5, 1987 that blue-green water was being discharged to the street. This was attributed to the recent earthquake (October 4, 1987) which had broken several pieces of equipment at the site and that "a discharge similar to that of December 8, 1986 was occurring."
- ▶ A Notice of Violation (NOV) was issued on February 23, 1988 for discharging cooling tower blow down water to the street.
- ▶ The Santa Fe Springs Fire Department cited Continental Heat Treating on June 14, 1988 for failure to disclose certain materials on the 1987 plot plan.

Possible Explanations

Illegal and accidental discharges of chlorinated solvents to soil are typically not reported and are not discovered until a site characterization is performed. The data from the Levine/Fricke report

ATAFPIJERILLAN135.LTB



Mr. T.M. Walker
September 22, 1993
Page 5

showing PCE in the soil, the use of large quantities of PCE on the adjoining site, the location of the PCE in soil relative to the degreaser and pipe trench on the Continental facility, and the complete absence of any use of chlorinated solvents of any kind by Mobil E & P, very strongly points to Continental Heat Treating as the source of the PCE on the Jalk Fee.

The following possible explanations are based on the information we were able to find and on past experience with similar situations. We cannot say which of these explanations is most likely or whether there is another possible explanation for the observed PCE.

Intentional or Unintentional Discharge. One possible explanation is that PCE from the degreaser or from the above ground storage tank was discharged to the ground by an employee or contractor working on site. This could have resulted from any number of activities such as overflow, spillage, a broken pipe, or an intentional discharge of waste PCE.


Fires. Three degreaser fires were reported in the Continental Heat Treating file at the Santa Fe Springs Fire Department:

- ▶ Degreaser Tank Fire (Code 6205) 87/10/02;
- ▶ Fire in Degreaser (Code 6225) 88/04/09;
- ▶ Fire in Degreaser (Code 6229) 88/08/01.

Earthquake. The file made reference to two earthquakes (December 8, 1986 and October 4, 1987) that resulted in broken equipment and discharge of chemicals. Although these references were made to the cooling tower blowdown water, it is also possible that the piping between the degreaser and the PCE storage tank were among the "several pieces of equipment" that were damaged at the same time.

I would be happy to discuss this matter with you at any time. Please call me at (714) 752-3211 if you have any questions or requests for additional information.

Sincerely,



Dennis Dineen
Managing Principal Geoscientist
Assistant Regional Manager, Irvine

STAFF/TECH/ELLS/ISS.LTB



Recycle paper

Mobil Exploration & Producing U.S. Inc.

Received 10/12/94

October 7, 1994

10735 SOUTH SHOEMAKER AVENUE
SANTA FE SPRINGS, CALIFORNIA 90670

Mr. Miguel Z. Monroy, Dr. Env.
Senior Hazardous Materials Specialist
California Environmental Protection Agency
Department of Health Services Control
Site Mitigation Branch, Region 3
1011 North Grandview Avenue
Glendale, CA 91201

CLARIFICATION OF AGENCY
OVERSIGHT - MOBIL JALK FEE
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CA

Dear Mr. Monroy:

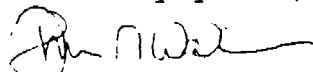
This letter is intended to clarify agency oversight of Mobil's Jalk Fee property located at 10607 Norwalk Boulevard, Santa Fe Springs. We notified various agencies, including the Department of Toxic Substances Control (DTSC), the Los Angeles Regional Water Quality Control Board (LA RWQCB) and the City of Santa Fe Springs Fire Department of the presence of lead and perchloroethylene (PCE) in the soil at this property via correspondence dated September 30, 1993. The DTSC recommended the submittal of a Preliminary Endangerment Assessment (PEA) covering this property by way of a letter dated October 27, 1993. Mobil responded with a letter dated November 15, 1993 stating that we would work with the DTSC on both the lead and PCE issues.

Subsequently, three ground water monitoring wells were positioned on the Jalk Fee property in preparation for construction of a crude oil bioremediation cell (located in the portion of the property not affected by lead and/or PCE contamination). Analysis of samples taken from one of these wells indicates the presence of PCE in the groundwater under this site. This information has been reported to the LA RWQCB through the quarterly monitoring report required by the LA RWQCB for operation of the crude oil bioremediation cell. Given that the groundwater beneath the site has been impacted, it is our understanding that the LA RWQCB will assume the lead agency oversight role regarding the PCE issue.

We are still working with the DTSC with regards to the lead contamination, as evidenced by our "Letter of Intent" submitted to the DTSC on August 8, 1994. Mobil, through McLaren/Hart (our environmental contractor) will be contacting you in the near future regarding the status of our voluntary cleanup agreement pertaining to lead contamination.

If you have any questions concerning this property, please call me at (310) 903-2725.

Sincerely yours,



T. M. Walker
Senior Environmental Engineer

~~CONFIDENTIAL~~
California Regional Water Quality Control Board
Los Angeles Region
101 Centre Plaza Drive
Monterey Park, CA 91754-2156

Mr. George Baker
Hazardous Materials Specialist
Health Hazardous Materials Section
Inspection Section
Los Angeles County Fire Department
7300 East Alondra Blvd
Paramount, CA 90723

Mr. Tabb Bubier
Supervising Geoscientist
McLaren/Hart
16755 Von Karman Avenue
Irvine, CA 92714

c:\jalk_clr

Mobil Exploration & Producing U.S. Inc.

10735 SOUTH SHOEMAKER AVENUE
SANTA FE SPRINGS, CALIFORNIA 90670

December 9, 1994

Mr. George Baker
Hazardous Materials Specialist
Health Hazardous Materials Section
Inspection Section
Los Angeles County Fire Department
7300 East Alondra Blvd
Paramount, CA 90723

SUBMITTAL OF TETRACHLOROETHYLENE
(PCE) INVESTIGATION REPORTS FOR
THE MOBIL JALK FEE PROPERTY
10607 NORWALK BOULEVARD
SANTA FE SPRINGS, CALIFORNIA

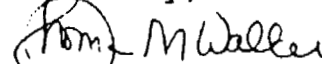
Dear Mr. Baker:

Enclosed are copies of the Levine Fricke and McLaren/Hart investigation reports for the tetrachloroethylene (PCE) contamination found at our Jalk Fee Property. I believe that these reports include the information you are looking for with regards to sampling protocol and lab results.

I would appreciate any information you could provide as to the status of the site investigation taking place on the Continental Heat Treating Inc. property. I would also like to receive a copy of the final report after the investigation has been completed.

Please let me know if you have any questions pertaining to the attached reports.

Sincerely,



T. M. Walker
Senior Environmental Engineer

cc: Mr. Jim Ross
Unit Chief, Site Cleanup Unit
California Regional Water Quality Control Board
Los Angeles Region
101 Centre Plaza Drive
Monterey Park, CA 91754-2156

Mr. Miguel Z. Monroy, Dr. Env.
Senior Hazardous Materials Specialist
California Environmental Protection Agency
Department of Health Services Control
Site Mitigation Branch, Region 3
1011 North Grandview Avenue
Glendale, CA 91201

Mr. Tabb Bubier
Supervising Geoscientist
McLaren/Hart
16755 Von Karman Avenue
Irvine, CA 92714



DRAFT

SUBSURFACE SOIL INVESTIGATION

**Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California**

**December 6, 1991
LF 2193**

Prepared for:

**Mobil Exporation & Producing U.S. Inc.
10,000 Ming Avenue
Bakersfield, California 93311**

**PRIVILEGED & CONFIDENTIAL
ATTORNEY/CLIENT WORK PRODUCT**



LEVINE·FRICKE

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HAZ MAT

Prevention Bureau

Hazardous Waste
Control Program

Log # [yynnnn]: 933143-118

Received by: LR Date: 11/4/93

Log entry by: LR Date: 11/4/93

☐ Emergency Response

☐ Illegal Storage

☒ Illegal Disposal Onsite

☐ Clean-up

☐ Illegal Disposal Offsite

☐ Public Health License

Name: Continental Heat Treating Phone:

Address: 10643 N. ... City: Santa Fe Springs

Substance: Solvents Zip: 90670

Scope: Attached Report indicates possible

illegal discharge into sub-surface

from PCE metal degreaser

Inspection.

Status:

Section Assign To: ☐ SGV ☐ SFV ☒ SE ☐ SE ☐ C ☐ M ☐ ER ☐ ENF ☐ SM Date:

Inspector Assign To: GR Assign By: JR Date: 11-5-93

Service Requested By: LR

Address: Phone:

for ...
...
...

9/4/93 Referred to enforcement for action

9/27/94 - no ENF action - no inspection

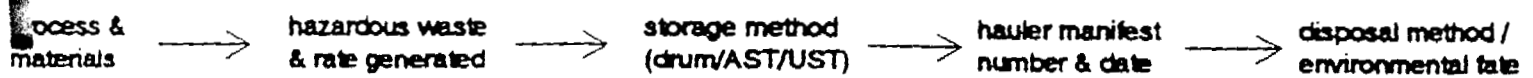
10/6/94 - inspection - 25127 plan ordered

see SMU case

DBA CONTINENTAL HEAT TREATING INC		Interviewed DEE GRAMS	
Owner 11		Title CONTROLLER	
Partner		Start Date 1-29	# of employees 36 <small>50-70</small>
Address 10643 St NW WALKER BL		# of shifts 2 1/2	Operating Hours X 50
#	City S.F.S.	Zip Code 90670	
Mailing		Violation Rank <input type="checkbox"/> I <input type="checkbox"/> II <input type="checkbox"/> III	
		Waste Cat 1 2 3 4	
		Amnt (PGT)	
<small>P = pounds, G = gallons, T = tons, per quarter</small>			

Product / Service ANALYTICAL SERVICE SPILL INVESTIGATION		EPA#									
<input type="checkbox"/> HRF	Materials	Quantity	Storage								
UST	Size / For	# AST	Size / For								

P R O C E S S F L O W C H A R T



<input type="checkbox"/> Hearing / / <input type="checkbox"/> Revisit / / <input type="checkbox"/> Abatement / /	
a i s SHA HS	Violations / Remarks
	Signature(s)

'RINT

COUNTY OF LOS ANGELES—PUBLIC HEALTH LICENSE APPLICATION

12/10/91

DL #

(S)

CONTINENTAL HEAT TREATING IN
LAST, FIRST AND MIDDLE INITIAL

DATE BUSINESS STARTED

07 01 91
MO DAY YR

ACCT: 606073

10643
LAST, FIRST AND MIDDLE INITIAL

CONTINENTAL HEAT TREATING IN
10643
BEGINNING NO.

ENDING NO.

FRACTION

DIR

STREET

13

DISTRICT CODE

SFS 90670
CITY ZIP CODE

10643 S NORWALK BL
NUMBER AND STREET

SANTA FE SPRINGS CA 90670
CITY STATE ZIP CODE

HAZ WASTE Central Program (36)

VEH. LICENSE NO./
NO. OF MACHINES

SIC

PREVIOUS ACCOUNT
NUMBER IF ANY

153090

U.S. MAIL

SIGNATURE OF
FIELD REPR

George H. Baker

FOR TAX COLLECTORS USE

CURRENT FEE	\$
PRORATION	
PENALTY	\$
PRIOR YEAR FEE	\$
PRIOR YEAR PEN	\$
PAY-TOTAL FEE DUE	\$

OFFICIAL NOTICE OF VIOLATION NO 042136



County of Los Angeles Department of Health Services
Community Health Services Environmental Management

3/16/84
DATE 3/16/84
NO 042136

(OFFICE ADDRESS)

Att: Dennis Hugg
Industrial Hazardous Waste
How are here by
oil from ground in year storage
over
IF CLEAN UP RED DETAIL CLEAN-UP
PLAN IF NECESSARY. DES. WHEN
IS TO BE DONE

Los Angeles

California Administrative Code, Other Code
California Health Safety Code, California Health Officer

State Health
Ordinance No. 18000

shall be complied with as required by:
Ordinance No. 18000

City	
Owner	
PARTY	
Address	10643
#	City S.F.S. 2
Mailing	
Product / Service	
<input type="checkbox"/> HRF	Materials
# UST	Size / For
process & materials	
P R O	
hazardous waste & rate generated	

City, Zip Code 90067

2815 South Grand Avenue, Room 607
Los Angeles, CA 90007
(213) 744- 3223

NOTICE OF VIOLATION AND ORDER TO COMPLY

James Colling

The following conditions or practices observed at your facility are violations of the California Code of Regulations (CCR), Title 26, Division 22 or the California Health and Safety Code, Division 20, Chapter 6.5, (H&S) or both, which relate to the disposal, management, transportation, and storage of hazardous waste. YOU ARE DIRECTED TO CORRECT THE VIOLATIONS WITHIN THE TIMES SPECIFIED BELOW.

CORRECTION

DATE

DISPOSAL:

☒ 1. Discontinue the disposal of hazardous waste to an unauthorized point(s).
(H&S 25189.5). waste oil into the ground

☐ 2. Legally dispose of all hazardous waste and contaminated materials (H&S 25189.5)

☐ 3. Legally dispose of all stored hazardous waste and contaminated materials located at (H&S 25) discharged to

MANAGEMENT:

☒ 4. Submit to this office a copy of your facility's hazardous materials contingency plan and employee training plan. (CCR 67105, 67120-67126, 67140-67145)

TRANSPORTATION:

- ☐ 5. Discontinue the transport of hazardous waste until the following have been met:
- ☐ A. Obtain an EPA Identification Number from the State Department of Health Services at (916) 324-1781. (CCR 66472)
 - ☐ B. Complete a uniform Hazardous Waste Manifest or obtain a receipt when applicable under State Department of Health Services variance procedures. (H&S 25160 and 25143)
 - ☐ C. Transport all hazardous waste by a State registered hauler. (H&S 25163)

☒ 6. Submit to this office a copy of the completed hazardous waste manifest(s) used to dispose of all completed manifests (CCR 66328).

☒ 7. Keep copies at your facility of all completed manifests, receipts or both for a minimum of three (3) years and make documents available for agency review. (CCR 66492)

STORAGE:

- ☐ 8. Discontinue the storage of hazardous waste for longer than 90 days without a permit from the State Department of Health Services. (CCR 66508)
- ☒ 9. Store all hazardous waste in compatible containers which are closed and in good condition. (CCR 66241 - 67243) keep lids + bung on, don't over fill
- ☒ 10. Properly label all containers with the following: the words, "HAZARDOUS WASTE" - PERC Label waste oil
as waste oil

OTHER:

☐ 11. Provide this office with a site assessment and mitigation plan for the contamination at your facility.

☒ 12. Remove + legally dispose of oily surface in non regulated area

Failure to fully comply with this Notice and Order may result in further legal action.

Owner or Authorized Representative

James Colling / G B
Hazardous Materials Specialist

or attach business card

Address _____

Phone (_____) _____

HAZARDOUS WASTE MANAGEMENT

CONTROL PROGRAM

Los Angeles County Fire Department
Division of Forester & Fire Warden

PHL 606073 Code 1010 225 3

DATE:	INITIAL	FINDINGS/REMARKS
12/09/91	(S)	P42 - Issued replacement license #153090 was deleted/cancelled by mistake
1/24/93	GB	copied file for P. G.
9/27/94		long rotation engine of the case and
10/6/94		wants copy
10/6/94	GB	D2 - inspection - part of the plant that the drawing show the original degree is different now - has it been a degree there (if even) for at least 15 years - I ordered a limited eval of site in the vicinity of original degree installation only. (10)
11/29/94	GB	Reg time extension to 1/20/95 for plan submission is having consultant problem - granted
1/23/95	GB	- phone mtg - will schedule working sampling ASAP - approve sampling plan
1/30/95	GB	received sample plan - ok
2/10/95	GB	sampling done 8-30-1000
2/1/95	GB	7' PAR 4594 1' 7514 T-TRA 7514 Conclusion 5' 21-PPB TR 4' - TR 66 4200 185

CASE NAME

Continental Heat Treating

TIME

INITIALS

REMARKS

9/89

pm

JC, GB

(1) Discharge of oil waste both onto asphalt top and onto soil (SW corner rear yard)

(2) Unlabelled barrels that Mr. ^{Basson} ~~Stall~~ indicated contained either PERC or waste oil

(3) Incomplete manifests (no disposal facility signed copy available)

(4) Ticks & bungs missing on some oil waste barrels

Has valid PHL

(1)

7-25-89

D

Manifest #9485618 - 7/10/89 for removal of oil/adhesives. Mr. Basson states this was from both the rear area (soil) and asphalt - 4 drums removed. All violations abated. Facility has a continuing problem with mineral oil drag out on the asphalt area.

C O M P A N Y / N A M E

MOBILE

or attach business card

Address 10607 NORWALK LA

Phone (310) ⁵⁷⁵ 903-2725

CASE UPDATE \ PHONE LOG
Los Angeles County Fire Department
Hazardous Waste Control Program
Health Haz Mat Division

PHL 2 Code 225

[illegible]

Exploration & Producing U.S. Inc.

10735 SOUTH SHOGMAKER AVENUE
SANTA FE SPRINGS, CALIFORNIA 90670

September 30, 1993

Santa Fe Springs Fire Department
Environmental Protection Division
11300 South Greenstone Avenue
Santa Fe Springs, CA 90670

Dear Sir or Madam:

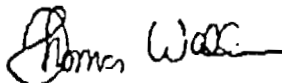
Mobil Oil Corporation ("Mobil") has learned that soil contamination exists at 10607 Norwalk Boulevard, Santa Fe Springs, California, a property owned by Mobil's affiliate, Mobil Foundation, Inc. (the "property").

Specifically, tests conducted by Mobil's environmental consultant demonstrate the presence of several contaminants in the soil, the primary ones of which are perchloroethylene, trichloroethylene and 1,2 dichloroethylene. Mobil believes that the primary contamination originates from an off-site source, Continental Heat Treating, Inc.

The enclosed letter by Mobil's environmental consultant summarizes the test results which Mobil will forward to you if you request. I may be reached at (310) 903-2725.

Mobil will be contacting the California Regional Water Quality Control Board on behalf of Mobil Foundation, Inc. to discuss further testing and cleanup of the property.

Very truly yours,



Tom Walker
Environmental Engineer

cc: California Regional Water Quality Control Board, Region 4
Department of Toxic Substances Control
Environmental Protection Agency, Region 9

cc: [unclear]

Referred to Lance Balston LACo Health HAZ MAT Site Mitigation
10/5/93 DK



September 23, 1993

Mr. T. M. Walker, P.E.
Environmental Engineer
Mobil Exploration and Producing U.S. Inc.
10735 South Shoemaker Avenue
Santa Fe Springs, CA 90670

PERCHLORETHYLENE (PCE) AND HEAVY METALS IN SOIL AT THE JALK LEASE

Dear Mr. Walker,

McLaren/Hart has completed our review of the site characterization report prepared by Levine/Fricke ("Draft Subsurface Soil Investigation, Jalk Fee Property, 10607 Norwalk Boulevard, Santa Fe Springs, California"). The report included data showing that the soil contains crude oil, which would be expected in an active oil field. The report also documented that the soil contains lead, which presumably leached from metal pipes in an area known as the "boneyard", and perchloroethylene (PCE), which we believe is a result of operations at the neighboring facility.

This letter briefly explains the significance of the findings which were presented in the Levine and Fricke report and makes recommendations on how Mobil should proceed.

HEAVY METALS

Total lead, mercury, and zinc were detected in the boneyard in the southwest corner of the property at maximum concentrations of 1,750, 34.1, and 10,000 milligrams per kilogram (mg/kg), respectively. These concentrations exceed the Total Threshold Limit Concentration (TTLC) of 1,000, 20, and 5,000 mg/kg. Soluble lead and zinc were also detected at maximum concentrations of 151 and 474 milligrams per liter (mg/l). These concentrations exceed the Soluble Threshold Limit Concentration (STLC) of 5 and 250, respectively. Samples exceeding the TTLC and STLC were found at both the three foot and the eight foot depths. No samples were collected below eight feet.

Although the lead samples were collected from random sample locations, it appears that the lead is confined to the northeast corner of the boneyard, representing approximately one third of the

STAFF/TERRELL/US.LTD

15755 Von Karman Avenue, Irvine, CA 92714 (714) 756-2667 FAX (714) 756-8460

total surface area of the boneyard, approximately 6,100 square feet. Excavation of this area to a depth of eight feet would result in approximately 1,800 cubic yards of soil.

Since the data show that metal concentrations were increasing between 3 and 8 feet, it is reasonable to assume that the soil below 8 feet may contain metals exceeding the cleanup criteria. We recommend additional sampling below eight feet prior to excavation to define the vertical extent of heavy metals.

PERCHLOROETHYLENE (PCE)

Perchloroethylene and related compounds [trichloroethylene (TCE) and 1,2-dichloroethylene (DCE)] were detected in the soil at the Jalk Fee. These chlorinated compounds are used in such industries as dry cleaning, electronics, aerospace, and metal treating, but are not used in oil production. The maximum concentration of PCE in soil at the Jalk Fee is 2,500,000 parts per billion (ppb). The following sections describe the possible source of PCE at this location.

Santa Fe Springs Fire Department Record Review

In an attempt to identify possible sources of the PCE at the Jalk lease, McLaren/Hart reviewed the files at the Environmental Compliance Section of the City of Santa Fe Springs Fire Department. A written request to review the file on Continental Heat Treating was submitted by FAX on Tuesday, May 11, 1993 and the file was reviewed on Wednesday, May 12th. The following is a summary of the information in the file relevant to the PCE on the Jalk lease.

Use of PCE at Continental Heat Treating

The Continental Heat Treating facility was designed in 1968 and began operation in 1969. The facility drawings (Job # 6802, PE-1) dated August 20, 1968 showed a degreaser located approximately 120 feet west of the northeast corner of the building and 30 feet south of the northern wall of the building. A pipe trench was shown going from the degreaser to the north end of the building, just west of the electrical panel. The PCE on the Jalk lease was found in the area beginning exactly where the pipe trench left the building and continuing west to the northwest corner of the building. (See Figure 1)

In a letter to the City of Santa Fe Springs dated March 30, 1987, Continental Heat Treating reported that PCE was "used for cleaning of parts prior to heat treating." The hazardous material registration forms (February 15, 1993) reported an average PCE use of 125 gallons per day and a maximum daily use of 250 gallons per day. The Business Plan described a 500 gallon above ground PCE tank, although the location of this tank could not be determined from the information in the file.

STAFF/TERESA J. BAISSA, LTD



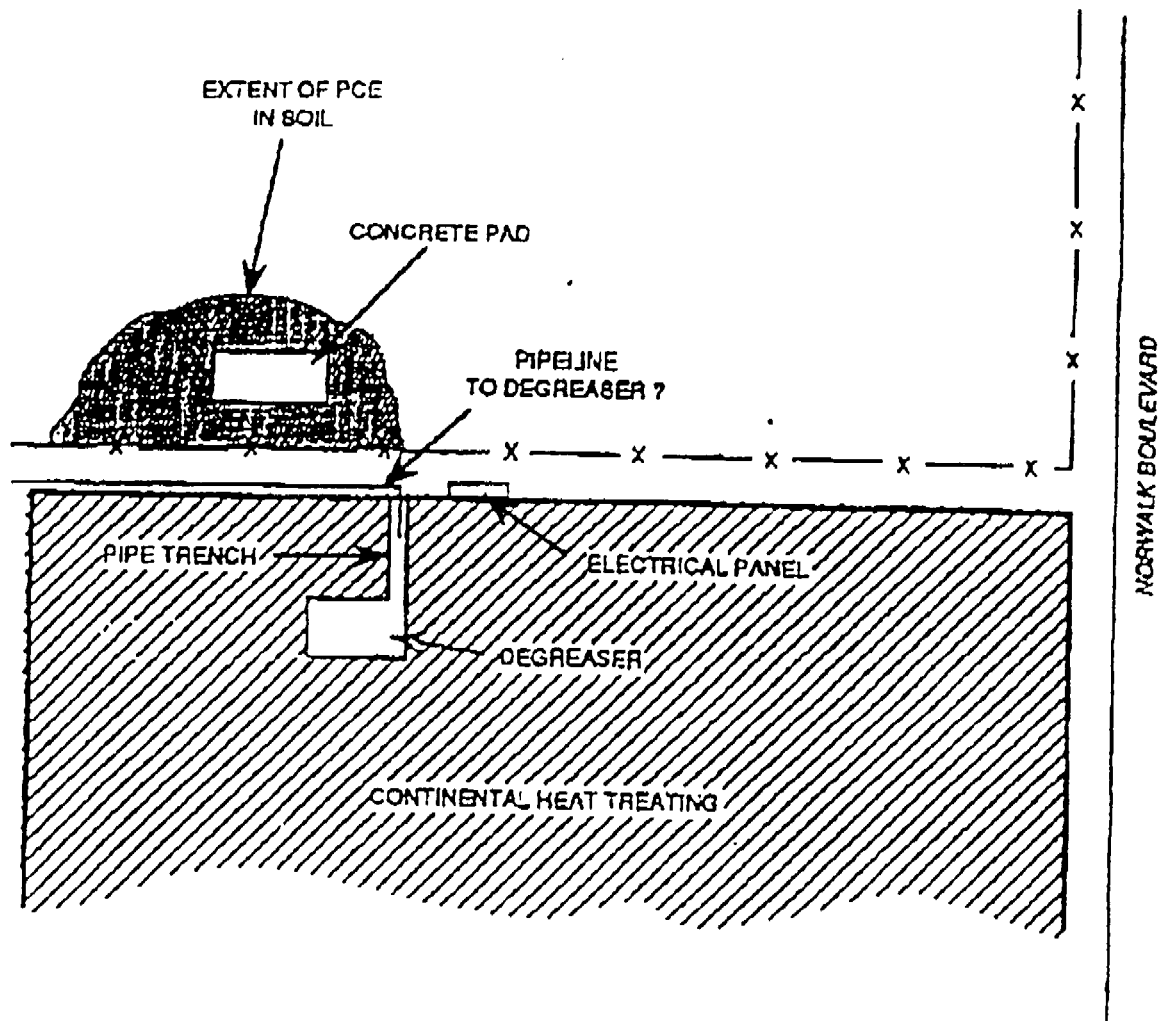


FIGURE 1
DISTRIBUTION OF
PERCHLOROETHYLENE (PCE) ON
JALK LEASE NEAR CONTINENTAL
HEAT TREATING DEGREASER

Drawn by	SD	Date	6-20-93
Reviewed by	DXD	Date	
Project No.	5970	Date	5-20-92
Project Name	89305114		

Documented Annual PCE Waste Generation

The hazardous materials registration forms (February 15, 1993) reported that 1.5 tons of PCE are generated each year at the facility. In the March 30, 1987 letter to the City of Santa Fe Springs, Continental Heat Treating reported that the PCE was stored in a tank provided by Acto Kleen Corporation and was disposed by Acto Kleen for recycling.

Hazardous Waste Code Violations

Continental Heat Treating has operated under an Industrial Waste Permit from the Los Angeles County Sanitation District and predecessor agencies since the 1970's. Permit # 4365 was issued on January 27, 1970 and Permit #4827 was issued on November 18, 1976. These permits did not include limits or sampling requirements for PCE.

Various inspections, violations, and complaints over the years were included in the file. These included:

- ▶ A Notice was issued on July 11, 1978 from the LA County Engineer ordering Continental Heat Treating to "clean the interceptor by July 18, 1978" and "maintain the interceptor in good operating condition at all times."
- ▶ An inspection report of April 5, 1982 noted under "Special Hazards and Conditions" that a degreaser was present in the northeast portion of the building.
- ▶ A complaint to the Fire Department was recorded on October 5, 1987 that blue-green water was being discharged to the street. This was attributed to the recent earthquake (October 4, 1987) which had broken several pieces of equipment at the site and that "a discharge similar to that of December 8, 1986 was occurring."
- ▶ A Notice of Violation (NOV) was issued on February 23, 1988 for discharging cooling tower blow down water to the street.
- ▶ The Santa Fe Springs Fire Department cited Continental Heat Treating on June 14, 1988 for failure to disclose certain materials on the 1987 plot plan.

Possible Explanations

Illegal and accidental discharges of chlorinated solvents to soil are typically not reported and are not discovered until a site characterization is performed. The data from the Levine/Fricke report

STAFF/TJL/RELL/1135.LTB



Mr. T.M. Walker
September 22, 1993
Page 5

showing PCE in the soil, the use of large quantities of PCE on the adjoining site, the location of the PCE in soil relative to the degreaser and pipe trench on the Continental facility, and the complete absence of any use of chlorinated solvents of any kind by Mobil E & P, very strongly points to Continental Heat Treating as the source of the PCE on the Jalk Fee.

The following possible explanations are based on the information we were able to find and on past experience with similar situations. We cannot say which of these explanations is most likely or whether there is another possible explanation for the observed PCE.

Intentional or Unintentional Discharge. One possible explanation is that PCE from the degreaser or from the above ground storage tank was discharged to the ground by an employee or contractor working on site. This could have resulted from any number of activities such as overflow, spillage, a broken pipe, or an intentional discharge of waste PCE.

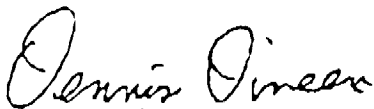
Fires. Three degreaser fires were reported in the Continental Heat Treating file at the Santa Fe Springs Fire Department:

- ▶ Degreaser Tank Fire (Code 6205) 87/10/02;
- ▶ Fire in Degreaser (Code 6225) 88/04/09;
- ▶ Fire in Degreaser (Code 6229) 88/08/01.

Earthquake. The file made reference to two earthquakes (December 8, 1986 and October 4, 1987) that resulted in broken equipment and discharge of chemicals. Although these references were made to the cooling tower blowdown water, it is also possible that the piping between the degreaser and the PCE storage tank were among the "several pieces of equipment" that were damaged at the same time.

I would be happy to discuss this matter with you at any time. Please call me at (714) 752-3211 if you have any questions or requests for additional information.

Sincerely,



Dennis Dineen
Managing Principal Geoscientist
Assistant Regional Manager, Irvine

STAFF/TERRELL/MISS.LTB



 recycled paper



DRAFT

SUBSURFACE SOIL INVESTIGATION

Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California

December 6, 1991
LF 2193

Prepared for:

Mobil Exploration & Producing U.S. Inc.
10,000 Ming Avenue
Bakersfield, California 93311

PRIVILEGED & CONFIDENTIAL
ATTORNEY/CLIENT WORK PRODUCT



LEVINE·FRICKE



DRAFT

APPENDICES A - J
SUBSURFACE SOIL INVESTIGATION
Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California

December 6, 1991
LF 2193

Prepared for:

Mobil Exporation & Producing U.S. Inc.
10,000 Ming Avenue
Bakersfield, California 93311

PRIVILEGED & CONFIDENTIAL
ATTORNEY/CLIENT WORK PRODUCT



LEVINE·FRICKE



DRAFT

**APPENDIX K (Part I)
SUBSURFACE SOIL INVESTIGATION
Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California**

**December 6, 1991
LF 2193**

Prepared for:

**Mobil Exploration & Producing U.S. Inc.
10,000 Ming Avenue
Bakersfield, California 93311**

**PRIVILEGED & CONFIDENTIAL
ATTORNEY/CLIENT WORK PRODUCT**



LEVINE·FRICKE



DRAFT

**APPENDICES K (Part II) - M
SUBSURFACE SOIL INVESTIGATION
Jalk Fee Property
10607 Norwalk Boulevard
Santa Fe Springs, California**

**December 6, 1991
LF 2193**

Prepared for:

**Mobil Exporation & Producing U.S. Inc.
10,000 Ming Avenue
Bakersfield, California 93311**

**PRIVILEGED & CONFIDENTIAL
ATTORNEY/CLIENT WORK PRODUCT**



LEVINE·FRICKE

Prepared by:

McLaren/Hart
16755 Von Karman
Irvine, California 92714-4918

November 15, 1994

LIMITED SUBSURFACE INVESTIGATION OF
TETRACHLOROETHYLENE (PCE) IMPACTED SOIL
AT MOBIL JALK FEE PROPERTY
SANTA FE SPRINGS, CALIFORNIA

Limited Subsurface Investigation

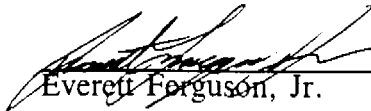
McLaren/Hart Project No. 03.0601382.000

Tetrachloroethylene (PCE) Impacted Soil at Mobil Jalk Fee Property Santa Fe Springs, California

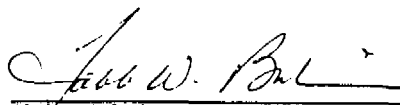
November 15, 1994

Prepared for: **Mobil Exploration and Producing U.S. Inc.**
10735 South Shoemaker Avenue
Santa Fe Springs, California 90670


Prepared by: **McLaren/Hart Environmental Engineering Corporation**
16755 Von Karman Avenue
Irvine, California 92714-4918



Everett Ferguson, Jr.
Assistant Geoscientist



Tabb W. Bubier
Supervising Geoscientist



Hassan Amini, Ph.D., R.G.
Principal Geoscientist



"Linking Technology with Tradition"

Sanborn™ Map Report

Ship to: Moira Fearey

ATC Associates, Inc.

1147 9th Street

Manhattan Beach, CA 90266

Order Date: 12/7/1999

Completion Date: 12/07/1999

Inquiry #: 440924.3S

P.O. #: 42.11378.4206

Site Name: Hathaway Lease

Address: 10607 Norwalk Boulevard

City/State: Santa Fe Springs, CA 90670

2142589DAN

310-374-8300

Cross Streets:

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client-supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

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South Coast Air Quality Management District

21865 E. Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • <http://www.aqmd.gov>

INFORMATION MANAGEMENT
PUBLIC RECORDS UNIT

Direct Dial: (909) 396-3700
Fax: (909) 396-3330

COMPLETION LETTER

December 30, 1999

Ms. Moira Fearey
ATC Environmental
1147 9th Street
Manhattan Beach, CA 90266

Re: CONTROL NO. 1299502(lm)

Dear Ms. Fearey:

**Re: COPIES OF PERMITS TO OPERATE, NOTICES OF VIOLATION AND
INSPECTION REPORTS FOR 10607 NORWALK BLVD., SANTA FE
SPRINGS, CA 90670**

Your requests for records dated December 28, 1999, was received by the Public Records Unit. After a thorough search of our records:

**NO REQUESTED RECORDS WERE FOUND FOR THE ABOVE-
REFERENCED FACILITY SITE.**

If you have any questions, please do not hesitate to contact me at (909) 396-3700, Tuesday through Friday, 8:00 a.m. to 4:30 p.m.

Sincerely,


Linda L. Mills
Public Records Coordinator

:lm

APPENDIX C
CADOG OIL WELL RECORDS

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P 199-1001

PERMIT TO CONDUCT WELL OPERATIONS

666

(Field Code)

00

(Area Code)

(New Pool Code)

(Old Pool Code)

R. Edward Payne
MOBIL FOUNDATION, INC.
3000 Pegasus Park Dr.
Dallas, TX 75247

Cypress, California
September 24, 1999

Your supplementary proposal to reabandon well Mobil Oil Corp./"Jalk" 1, A.P.I. No. 037-15974, Section 6, T. 3S, R. 11W, S.B. B. & M., Santa Fe Springs Field, -- area, -- pool, Los Angeles County, dated 09/17/99, received 09/23/99 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment equivalent to this Division's Class II2M requirements, or better, shall be installed and maintained in operating condition.
2. All portions of the well not plugged with cement shall be filled with clay base mud having a minimum density of 72 lb/cu ft and a minimum gel-shear strength of 25 lb/100 sq ft.
3. The well shall be plugged with cement from 4200' to 4100' and 3455' to 3355'.
4. The 20"X12 1/2" annulus shall be plugged with cement from 60' to 5'.
5. This Division shall be consulted and a Supplementary Notice may be required before making any changes in the proposed program.
6. **THIS DIVISION SHALL BE NOTIFIED TO:**
 - a. Inspect the installed blowout prevention equipment prior to commencing downhole operations.
 - b. Witness the location and hardness of the cement plugs at 4100' and 3355'.
 - c. Witness the mudding of the hole.
 - d. Witness the placing, location and hardness of the cement plug from 2400' to 2300'.
 - e. Witness the location and hardness of the cement plug at 1805'.
 - f. Witness the placing, location and hardness of the cement plug from 1080' to 980'.
 - g. Witness the placing, location and hardness of the cement plug from 99' to 5'.
 - h. Inspect and approve the cleanup of the well site within 60 days after placement of the surface plug.

NOTE:

1. This Division does not pass upon your right to enter the property, but merely approves the proposal as conforming to our requirements.
2. A Division witnessed and approved leak test of the surface plug prior to welding on the steel plate at the surface is a requirement of the Construction Site Review process.

DEC:dc

cc: Update

Mobil Oil Corp.

NO BOND REQUIRED

11-23-99 S. ALLEN/CURTIS - (AS IN PROPOSED) (2450) OUTSIDE W/ MIN 5540
@ 2450', W/ 502 300' CEMENT PLUG, CUTOFF 326' D-2 P-25 JUNK TO
1805' CEMENT W/ P-25 JUNK TO 1805'

Engineer: D. E. Curtis

Phone: 714/816-6847

William F. Guerard, Jr.

State Oil and Gas Supervisor

By R. K. Baker
For R. K. Baker, Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CARDS ☒

BOND ☒

OGD114 ☒

OGD121 ☒

Notice of Intention to Abandon Well

File in Duplicate

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon

Well Jalk No. 1 API No. 037-15974 Sec. 6 T. 3S R. 11W S.B. B.&M.

Santa Fe Springs Field Los Angeles County, starting work on _____

The present condition of the well is

1. Total depth: 4,600 feet

2. Complete casing record, with plugs and perforations (present hole):

See Attached Drawing

Additional data for dry hole (show depths)

1. Oil or gas shows:

2. Stratigraphic markers:

3. Formation and age at total depth:

4. Base of freshwater sands:

3. Date last produced or injected: 1/1924

Is this a critical well according to the definition on the reverse side of this form (or on page 2 if you are using the Internet)?

☐ Yes
☒ No

The proposed work is as follows:

- Run 4200' - 4100'
NO - Plug 3455 - 3355
- 1) Clean out to 3,355 feet;
 - 2) lay cement plug to 3,255 feet; S&B - oil
 - 3) pump mud from 3,255 feet to 2,400 feet;
 - 4) place a cavity shot in 8 1/4 inch casing at 2,400 feet, pump cement and plug cavity shot up to 2,300 feet; 4112
 - 5) pump mud from 2,300 feet to 1,905 feet;
 - 6) lay cement plug from 1,905 feet to 1,805 feet; S&B Plug
 - 7) pump mud from 1,805 feet to 1,080 feet;
 - 8) place a cavity shot in 12 1/2 inch casing at 1,080 feet, pump cement and plug cavity shot up to 980 feet; S&W
 - 9) pump mud to 99 feet;
 - 10) lay cement surface plug from 99 feet to surface; and S&B
 - 11) cap and weld on I.D. plate. NO 20' x 12 1/2' Plug

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address

3000 Pegasus Park Dr.
(Street)

Dallas, TX 75247
(City) (State) (Zip)

Telephone Number

214-951-2966
(Area Code) (Number)

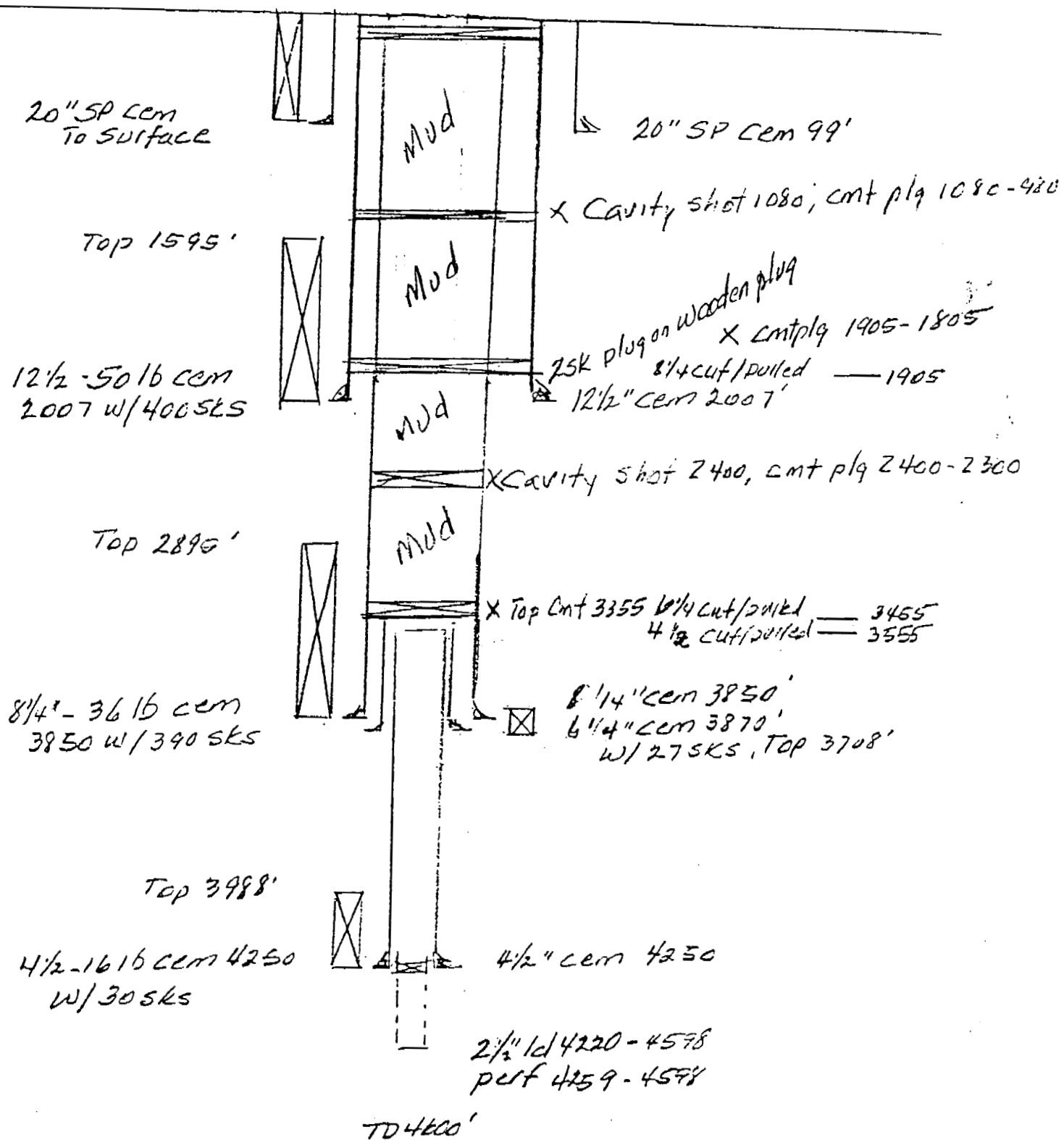
Mobil Foundation, Inc.

By

R. Edward Payne
(Name of Operator)
(Print Name)

[Signature] 9/17/92
(Signature) (Date)

"Jalk"



Kennedy/Jenks Consultants

Engineers & Scientists

200 New Stine Road
Suite 205
Bakersfield, California 93309
661-835-9785
FAX 661-831-5196

22 September 1999

California Division of Oil, Gas and Geothermal Resources
5816 Corporate Avenue, Suite 200
Cypress, CA 90630-4731

Subject: Notices of Intent to Reabandon Jalk Lease Well Nos. 1, 2, 3, 4 and 114
Santa Fe Springs Oilfield
K/J 992308.00

Dear Reviewing Petroleum Engineer:

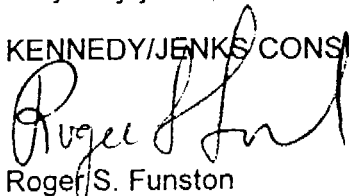
Kennedy/Jenks Consultants is submitting the attached five Notices of Intent to Abandon on behalf of our client Mobil Business Resources Corporation. Four of the five subject wells were previously abandoned by General Petroleum, a predecessor company to Mobil, in the 1930s. The fifth well was abandoned in the 1980s.

Mobil is negotiating the sale of this property to a developer for commercial/light industrial redevelopment. One of the conditions of sale is the reabandonment of these previously abandoned wells to current standards. Under the proposed agreement, Mobil must complete and obtain approval of the well reabandonments from CDOGGR and the City of Santa Fe Springs and deliver the property to the new owner by the end of November 1999. As such, your expeditious review and approval of the attached Notices would be greatly appreciated.

Please call me if you have any questions or need further information to complete your review.

Very truly yours,

KENNEDY/JENKS CONSULTANTS



Roger S. Funston
Manager of Operations

Enclosure

f:\docs\1999\is\992308 00\mobil_jalk_cdoggr.doc

cc: Ed Payne, Mobil w/o enclosures

Fill this blank in with typewriter. Write on one side of paper. Only

CALIFORNIA STATE MINING BUREAU

FERRY BUILDING, SAN FRANCISCO

LOG OF OIL OR GAS WELL

FIELD Santa Fe Springs COMPANY General Petroleum Corporation
JalkTownship 5 S. Range 11 W. Section 6 Elevation 145.19 Number of Well 1

In compliance with the provisions of Chapter 718, Statutes of 1915, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Signed B. C. Parsons a. p. c.Date March 24, 1923.Title General Agent.
(President, Secretary or Agent)

The summary on this page is for the ORIGINAL condition of the well

OIL SANDS

1st sand from As Per Log to _____ 4th sand from _____ to _____
2d sand from _____ to _____ 5th sand from _____ to _____
3d sand from _____ to _____ 6th sand from _____ to _____

IMPORTANT WATER SANDS

1st sand from _____ to _____ 3d sand from _____ to _____
2d sand from _____ to _____ 4th sand from _____ to _____

CASING RECORD

Size of Casing	Where Landed	Where Cut	Weight Per Foot	Threads per Inch	Kind of Shoe	Make of Casing	Yes	No	Cemented	Number of Sacks
20"	104		Stovepipe							
12 1/2"	2007	Not	50	10	Plain	D.B.X.	Yes			400
8 1/2"	3850	Not	36	10	Plain	D.B.X.	Yes			390
6 1/2"	3870	Not	26	10	Plain	D.B.X.	Yes			27
4 1/2"	3923	Not	15	10	Plain	D.B.X.		No.		

CEMENTING OR OTHER SHUT-OFF RECORD

Casing Size	Sacks	Time Set	Method	Test and Result (Give water level and bailing results)
8 1/2"	390	16 days	Perkins	Hole in casing. W.S.O. N.G.
6 1/2"	27	5 "	"	W.S.O.O.K.

PLUGS AND ADAPTERS

Heaving Plug—Material _____ Length _____ Where set _____

Adapters —Material _____ Size _____

TOOLS

Rotary tools were used from _____ 0 _____ ft. to _____ 3922 _____ ft.

Cable tools were used from _____ 3922 _____ ft. to _____ 3923 _____ ft.

PERFORATIONS

State clearly whether a machine was used or casing was drilled in shop

From	To	Size of Holes	Number of Rows	Holes per Foot	Machine—Shop
3874 ft.	3923 ft.	100	Mesh McEvoy Screen.		
ft.	ft.				
ft.	ft.				
ft.	ft.				
ft.	ft.				

Thirty days after completion well produced 377 barrels of oil per day.

CALIFORNIA STATE MINING BUREAU DEPARTMENT OF PETROLEUM AND GAS

CALIFORNIA STATE MINING BUREAU

RECEIVED

JUL - 8 1925

LOG OF OIL OR GAS WELL

Department of Petroleum and Gas

FIELD.....SANTA FE SPRINGS.....COMPANY.....GENERAL PETROLEUM CORPORATION

Township.....3 S....., Range.....11 W....., Section.....6....., Number of Well Jalk #1

In compliance with the provisions of Chapter 718, Statutes 1915, as amended, the information given herewith is a complete and correct record of all work done on the well since the previous record, dated.....June 27, 1924....., was filed.

Signed.....B. E. Parsons.....by P. D. S.
(President, Secretary or Agent)

Date.....May 21, 1925.....

Title.....General Agent.....

RECORD OF ABANDONMENT

Rigged up to abandon June 25, 1924. Could not get inside 2 $\frac{1}{2}$ " liner. Took hold of liner and jarred out 39'4" leaving top at 4261. C.O. to 4261 and dumped one sack cement. Drove in a lead wool bridge on top of liner and dumped one sack cement, filling hole to 4254. Plug approved by State Mining Bureau July 9, 1924. Dumped 8 sacks cement, filling hole to 4200.

Ripped and pulled 4-3/4" casing from 3555. Ripped and pulled 6 $\frac{1}{2}$ " casing from 3455. Ripped and pulled 8 $\frac{1}{4}$ " casing from 1905. Drove 3' wooden plug in top of 8 $\frac{1}{4}$ " at 1905 and dumped 2 sack cement on top. Drove wooden plug in top of 12 $\frac{1}{2}$ " casing.

Abandonment completed Aug. 10, 1924.

PRESENT CASING RECORD

12 $\frac{1}{2}$ " casing cemented at 2007'
 8 $\frac{1}{4}$ " " " " 3850 - Pulled from 1905
 6 $\frac{1}{2}$ " " " " 3870. Pulled from 3455
 4-3/4" " " " 4250. Pulled from 3555
 339' of 2 $\frac{1}{2}$ " screen liner landed 4598'
 Total depth: 4600. Plugged 4261 to 4200

DRILLERS ON ABANDONMENT

J. K. Chister, M. F. Clark, W. E. Friely

Return to file of date

Driller	Time	Cost	Remarks

P

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
HISTORY OF OIL OR GAS WELL

Operator R. Edward Payne Mobil Foundation, Inc. Field Santa Fe Springs County Los Angeles
Well Mobil Oil Corp./Jalk #3 Sec. 6 T. 3S R. 11W SB B.&M.
A.P.I. No. 037-15976 Name J.L. Allen Title General Manager
(Person submitting report) (President, Secretary, or Agent)
Date November 17, 1999
(Month, day, year)
Signature J.L. Allen
Address 3000 Pegasus Park Dr., Dallas, TX. 75247 Telephone Number 661 835-9785

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

Date	
10/28/99	Weld on casing flange. M.I.R.U. all abandonment equipment. Install B.O.P.E., drilled out cement with 10 5/8" bit from surface to 65'. Close well in.
10/29/99	Drilled out cement from 65' to 67' with 10 5/8" bit, unable to make hole. Ran 7 5/8" bit, unable to make hole. Ran 5 5/8" bit unable to make hole. Close well in.
11/01/99	Ran 2 7/8" tubing with 45 on bottom, unable to make hole. Ran 10 5/8" Impression Block, shown casing to be bad at 67'.
11/08/99	Ran 5 5/8" bit, drilled for 2 hrs. unable to make hole.
11/09/99	Ran 7 5/8" junk mill, drilled for one hr., made 6". Started getting returns back in celler. Pull mill, ran 2 7/8" tubing with 45 on bottom, unable to get into 12 1/2" casing at 67'. Close well in.
11/10/99	With tubing @ 66', pumped 210 bbls of fresh water to clean 12 1/2" casing for technical service to run camer. Shown 12 1/2" casing to be off to side. Close well in.
11/11/99	Made up 7 5/8" taper mill on 2 - 4 3/4" drill collars reamed out 12 1/2" casing from 67' to 79'. Close well in.
11/12/99	Ran 7 5/8" taper mill, reamed out bad 12 1/2" casing from 79' to 131'. Circulated and cleaned out to 400'. Close well in.
11/15/99	Circulated and cleaned out from 400' to 937'. Pull out with 7 5/8" taper mill. Unable to get down with cavity shot. Ran 4 1/8" gun and shot eight 1/2" holes at 930'. With tubing @ 937' est. breakdown with 16 cu.ft. per min. with 150# psi. Mix & pump 197 cu.ft. of neat "G" cement. Pulled tubing to 600'. Down squeeze 65 cu.ft. with 200# psi. Witnessed by Rich Loverne w/ D.O.G.
11/16/99	Ran tubing, tag cement plug at 804', witnessed by Martin Wells w/ D.O.G. With tubing @ 120' mix & pump neat "G" cement to surface with 111 cu.ft. witnessing pumping of surface plug waived by Martin Wells w/ D.O.G. Brian Reparuk w/ City of Santa Fe Springs Fire Department witnessed pumping of surface plug. R.D.M.O.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. T 100-0009

REPORT ON OPERATIONS

Cypress, California
January 5, 2000

R. Edward Payne
MOBIL FOUNDATION, INC.
3000 Pegasus Park Dr.
DALLAS TX 75247

Your operations at well Mobil Oil Corp./"Jalk" 3, A.P.I. No. 037-15976, Sec. 6, T. 3S., R. 11W, S.B. B. & M., Santa Fe Springs Field, Los Angeles County, were witnessed on 12-8-99. Mel Saw, representative of the supervisor, was present from 0925 to 0930. There was also present Jay Allen, Rig Supervisor.

Present condition of well: 20" cem 117'; 12 1/2" cem 2000', cp 930', cav shot 1080', cut 66'; 8 1/4" cem 3935' WSO, perfs 3000'-3173', pulled fr 1100'; 6 1/4" x 5 5/8" cem 4325', pulled fr 3190'; 4 1/2" x 3" Id 3887'-4693', perfs 4339'-4693', pulled fr 4303'. TD 4700'. Plugged w/cem 4610'-4280', 3190'-2867', 1071'-804', & 120'-10'.

The operations were performed for the purpose of of witnessing the plugging operations in the process of reabandonment.

DECISION: APPROVED.

NOTE: The required Class II2M blowout prevention equipment was inspected and approved on 11-15-99.


DEFICIENCIES: None.

CONTRACTOR: Allenco

DEC:df

cc: Update
Mobil Oil Corp.

William F. Guerard, Jr.
State Oil and Gas Supervisor

By: 
For: R. K. Baker, Deputy Supervisor

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P 199-1003

PERMIT TO CONDUCT WELL OPERATIONS

R. Edward Payne
MOBIL FOUNDATION, INC.
3000 Pegasus Park Dr.
Dallas, TX 75247

666
(Field Code)
00
(Area Code)
--
(New Pool Code)
--
(Old Pool Code)
Cypress, California
September 24, 1999

Your supplementary proposal to reabandon well Mobil Oil Corp./"Jalk" 3, A.P.I. No. 037-15976, Section 6, T. 3S, R. 11W, S.B. B. & M., Santa Fe Springs Field, -- area, -- pool, Los Angeles County, dated 09/17/99, received 09/23/99 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment equivalent to this Division's Class II2M requirements, or better, shall be installed and maintained in operating condition.
2. All portions of the well not plugged with cement shall be filled with clay base mud having a minimum density of 72 lb/cu ft and a minimum gel-shear strength of 25 lb/100 sq ft.
3. A cavity shot shall be detonated at 930' and the well plugged with cement from 934' to 830'.
4. This Division shall be consulted and a Supplementary Notice may be required before making any changes in the proposed program.
5. **THIS DIVISION SHALL BE NOTIFIED TO:**
 - a. Inspect the installed blowout prevention equipment prior to commencing downhole operations.
 - b. Witness the placing, location and hardness of the cement plug from 934' to 830'.
 - c. Witness the mudding of the hole.
 - d. Witness the placing, location and hardness of the cement plug from 106' to 6'.
 - e. Inspect and approve the cleanup of the well site within 60 days after placement of the surface plug.

NOTE:

1. This Division does not pass upon your right to enter the property, but merely approves the proposal as conforming to requirements.
2. A Division witnessed and approved leak test of the surface plug prior to welding on the steel plate at the surface is a requirement of the Construction Site Review process.

DEC:dc
cc: Update
Mobil Oil Corp.

NO BOND REQUIRED

Engineer: D. E. Curtis

Phone: 714/816-6847

*Carlson / Dave Knobe
C.O. w/ difficulty to
plug 7 1/2" at 934' make hole, 106' to 6'
used 2 7/8" x 45' casing could not get bit; J.B.
nothing.*

William F. Guerard
State Oil and Gas Sup
By TTC
For R. K. Baker, Deputy

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Work done under this permit is due within 60 days after the work has been completed or the operation suspended.

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

Notice of Intention to Abandon Well

File in Duplicate

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon

Well Jalk No. 3 API No. 037-15976 Sec. 6 T. 3S R. 11 W S.B. B.&M.

Santa Fe Springs Field Los Angeles County, starting work on _____

The present condition of the well is

1. Total depth: 4,700 feet

2. Complete casing record, with plugs and perforations (present hole):

See Attached Drawing

Additional data for dry hole (show depths)

1. Oil or gas shows:

2. Stratigraphic markers:

3. Formation and age at total depth:

3. Date last produced or injected: 4/1924

4. Base of freshwater sands:

Is this a critical well according to the definition on the reverse side of this form (or on page 2 if you are using the Internet)?

☐ Yes

☒ No

The proposed work is as follows:

Drill out surface plug to 106 feet and lay cement surface plug from 106 feet to 6 feet below ground surface.

NO NEW PLUG

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 3000 Pegasus Park Dr.

Dallas, TX 75247

Telephone Number 214-951-2966

Mobil Foundation, Inc.

By R. Edward Payne

[Signature] 9/11

Proposed Wellbore
Jalk Fee #3
Sante Fe Springs Field
Los Angeles County, California

(All measurements refer to mat)

20" Stovepipe
cmt to surface

TOC @ 840'

1000'

TOC @ 1595'

12-1/2" - 50# csg.
cmt @ 2000' w/290 sks.
Top of cement @ 1595'

2000'

8-1/4" - 36# csg.
cmt @ 3935' w/300 sks.

2900'
3000'
3173'
3190'

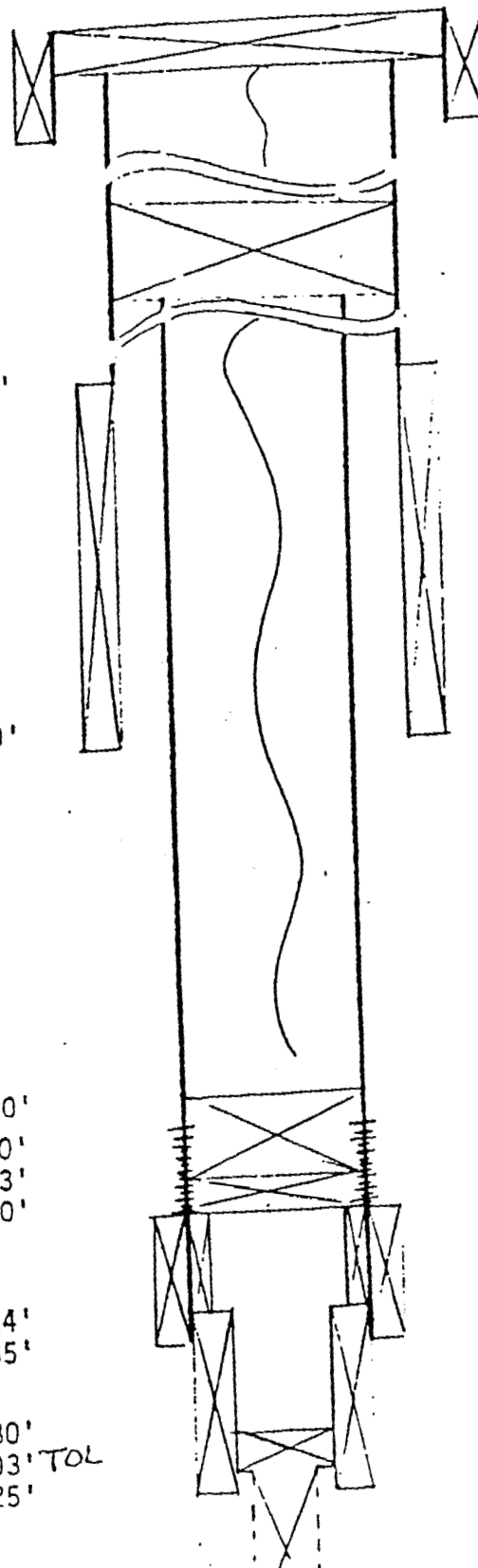
6-1/4" - 26# csg.
cmt @ 3924'/3190'
Top of cement @ 3195'

3924'
3935'

5-5/8" - 20# csg.
cmt @ 4325'/3924' w/50 sks.

4280'
4303' TOL
4325'

3" liner landed @ 4693



X cmt p/q 106-6

Plugs

4610'/4280'
3190'/3173'
Additional:
3173'/2900'
1000'/840'
50' /6'

Total cu.ft of cement

1st plug: 103
2nd plug: 171
3rd plug: 71

Total 345

Total cu.ft of

2900/1000 550
840/50 650

Total 130

OPERATOR: MOBIL OIL CORPORATION
FIELD: SANTA FE SPRINGS
WELL: JALK(FEE) 3
API NO: 037-15976

COUNTY: LOS ANGELES
SECTION: 6-3S-11W SBB&M
STATE: CALIFORNIA

DATE: 5-26-88

SIGNED: *[Signature]*
TITLE: J A COX - AGENT

P O BOX 9989
BAKERSFIELD CA 93389-9989
805-395-6600

ABANDONMENT HISTORY

DATE	REMARKS
04-25-88	MIRU; INSTALL CLASS II BOPE; MU SKR BARS; TAG @ 2986'; POH. BAIL 2986-3176'; INSTALL WRK FLR. RIH TO 3175'; POH W/20 JTS 2-7/8"; CLOSED WELL IN.
04-26-88	INSTALL CALC HD; RIH TO 3151.37'. DISPL 3 BBLS FR H2O, 103 CF CL G NEAT CMT, 3 BBLS FR H2O, 74 CF LSE H2O FOR DISPL; POH; SWION.
04-27-88	TAG CMT @ 2867'; WITNESSED BY A REP OF THE DOG. SWVL CIRC MUD; POH W/TBG. WIRELINE W/CHEM CUTTER CUT CSG @ 1100'; POH. FILL HOLE W/ 72# MUD; TORE OUT WRK FLR & BOP; UNLND CSG; FILL BKSIDE W/72# MUD. CLOSED WELL IN.
04-28-88	FILL BKSIDE W/MUD; CUT OFF WELLHD; W/L SHOT CAVITY @ 1080'. CMTD W/3 BBLS FR H2O SPACER, 22.9 BBLS CL G NEAT CMT, 3 BBLS FR H2O SPACER, 2.2 BBLS LSE H2O FOR DISPL; POH; LD 10 JTS 2-7/8"; SWION.
04-29-88	TAGGED CMT @ 934.16; POH; RIH W/CHEM CUTTER & MADE CUT @ 66'; POH. RIH W/60' 7-7/8" TBG; LAID SURF PLUG; TORE OUT MUD PUMP; CLEANED LOCATION & RDMO.

A0409

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

REPORT OF WELL ABANDONMENT

Long Beach, California

August 18, 1988

G. A. Cox, Agent-MOBIL OIL CORPORATION
Area Operations Manager, MEPUS
P. O. Box 9989
Bakersfield, CA 93389-9989

Your report of abandonment of well "Jalk" 3
(Name and number)
A.P.I. No. 037-15976, Section 6, T. 3S, R. 11W, S.B. B. & M.,
Santa Fe Springs field, Los Angeles County,
dated May 26, 1988 received June 6, 1988, has been
examined in conjunction with records filed in this office, and we have determined that all of
the requirements of this Division have been fulfilled.

MJK:est

cc: Update
Conservation Committee
EDP
Los Angeles County Planning Commission
Los Angeles County Fire Prevention Bureau
Los Angeles County Assessor
Harry Green, Fire Safety Inspector
Division Regulatory Engineer, Mobil Oil Corp.

M. G. MEFFERD

State Oil and Gas Supervisor

By

Michael J. Kratoch
Deputy Supervisor

for: R. K. Baker

DIVISION OF OIL AND GAS

Report on Operations

J. A. Cox, Agent-MOBIL OIL CORPORATION

Area Operations Manager, MEPUS

P.O. Box 9989

Bakersfield, CA 93389-9989

Long Beach, Calif.

July 29, 1988

Drilling operations at well "Jalk" 3, API No. 037-15976

6, T3S, R11W, S.B.B. & M. Santa Fe Springs Field, in Los Angeles County,

witnessed on 4-29-88 M. Saw, Engineer, representative of

the supervisor, was present from 0730 to 0800. There were also present D. Wolgamott,
Drilling Foreman

Present condition of well: 20" cem 117'; 12 1/2" cem 2000', cav shot 1080', cut 66'; 8 1/4" cem
935' WSO, perf 3000'-3173', bad 773', pulled fr 1145'; 6 1/4" x 5-5/8" cem 4325', pulled
fr 3190'; 4 1/2" x 3" ld 3887'-4693', perf 4339'-4693', pulled fr 4303'. TD 4700'. Plugged
w/ cem 4610'-4280', 3190'-3173', 3151'-2860', 1071'-934' & 60'-6'.

The operations were performed for the purpose of witnessing the plugging operations in the
process of abandonment.

DECISION: APPROVED.

NOTE: DEFICIENCIES CORRECTED
NONE

DEFICIENCIES TO BE CORRECTED
NONE

UNCORRECTABLE DEFICIENCIES
NONE

CONTRACTOR: California Production Service, Inc.

*surface inspection
approved
T. Parmey
8/11/88*

MS:mh

cc: Update
Division Regulatory Engineer, Mobil Oil Corp.
EDP

M. G. MEFFERD

State Oil and Gas Supervisor

By T. C. Manuel
Deputy Supervisor

for R. K. Baker

SUBMIT LOG IN DUPLICATE

Fill this blank in with typewriter. Write on one side of paper only

CALIFORNIA STATE MINING BUREAU

FERRY BUILDING, SAN FRANCISCO

LOG OF OIL OR GAS WELL

SANTA FE SPRINGS

GENERAL PETROLEUM CORPORATION

FIELD _____ COMPANY _____

Township 3 S Range 11 W Section 6 Elevation 143.14 Jalk #3
Number of Well _____

In compliance with the provisions of Chapter 718, Statutes of 1915, as amended, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Signed B. E. Parsons a.s.x.

General Agent.

Date November 16, 1923.Title _____
(President, Secretary or Agent)

The summary on this page is for the ORIGINAL condition of the well

As per log

OIL SANDS

1st sand from _____ to _____ 4th sand from _____ to _____
2d sand from _____ to _____ 5th sand from _____ to _____
3d sand from _____ to _____ 6th sand from _____ to _____

As per log

IMPORTANT WATER SANDS

1st sand from _____ to _____ 3d sand from _____ to _____
2d sand from _____ to _____ 4th sand from _____ to _____

CASING RECORD

Size of Casing	Where Landed	Where Cut	Weight Per Foot	Threads Per Inch	Kind of Shoe	Make of Casing	Yes	No	Cemented	Number of Sacks
12 $\frac{1}{2}$ "	2000'	Not	50	10	Plain	Y.T.	Yes			290
8 $\frac{1}{2}$ "	3935'	Not	36	10	Plain	Y.T.	Yes			300
5-5/8"	4325'	Not	26 & 20	10	Plain	Y.T.&D.B.H.	Yes			50
4 & 3"	4693'	Not	18 & 9	10	Plain	Y.T.		No		
6 $\frac{1}{2}$ "	has 401' of 5-5/8" on bottom									
6 $\frac{1}{2}$ "	has 802' of 3" on bottom.									

CEMENTING OR OTHER SHUT-OFF RECORD

Casing Size	Sacks	Time Set	Method	Test and Result (Give water level and balling results)
8 $\frac{1}{2}$ "	300	10 days	Perkins	Swabbed to 1400. Found top of fluid at 1060 after 12 hrs. W.S.O.-Passed.
5-5/8"	50	10 days	Perkins	Swabbed to 2500. Found top of fluid at 1200 after 24 hrs. Oil & gas present. W.S.O. passed for prod. test.

PLUGS AND ADAPTERS

Heaving Plug—Material _____ Length _____ Where set _____

Adapters —Material (6 $\frac{1}{2}$ x 5-5/8 set at 3924) Size 4 $\frac{1}{2}$ x 3" x 4' nipple & L.H. collar set at 3887.

TOOLS

Rotary Tools were used from 0 ft. to 4700 ft.

Cable Tools were used from _____ ft. to _____ ft.

JUNK: 6 $\frac{1}{2}$ casing 3937-4150.

PERFORATIONS

State clearly whether a machine was used or casing was drilled in shop

From	To	Size of Holes	Number of Rows	Holes Per Foot	Machine—Shop
1339	4693	100 Mesh McEvoy Screen			
ft.	ft.				
ft.	ft.				
ft.	ft.				
ft.	ft.				

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND MINING
DEPARTMENT OF PETROLEUM AND GAS

RECEIVED
SEP 4 - 1929

LOG OF OIL OR GAS WELL

FIELD Santa Fe Springs COMPANY General Petroleum Corp. of Calif.
Sec. 6, T. 3, R. 11, S.B. B. & M., Well No. Jalk-3

In compliance with the provisions of Chapter 718, Statutes 1915, as amended, the information given herewith is a complete and correct record of all work done on the well since the previous record, dated Nov. 16, 1923, was filed.

SIGNED General Petroleum Corp. of Calif.

Date August 31, 1929

Title

Reference to file of President, Secretary or Agent

Well was completed July 30, 1923. Initial Production - 3412 - 54.4 - 0.2%
440' pressure.

6 1/2" & 5-5/8" water string cemented over weyer at 4325'. Shut-off - Perforated for
Production
4 1/2" with 802' of 3" on bottom landed at 4693'. 354' Perforated. Total
depth 4700'. Well quit flowing April 4, 1924. Pulled 4 1/2" & 3" Casing from 4303',
leaving 3" liner 4303' to 4693'. Pumped 963 bbls. in 26 days in May 1924 - 34.7 grav.,
no water. In attempt to increase production reperforated 3" screen from 4520' to
4309' on June 5, 1924. Well then averaged 10 bbls. daily, 17.2 gravity - 50.0%. Well
then stood idle until June 18, 1926 when adapter was found at 4303'. Got in hole to
4640'. Found about 100' of fluid (5 bbls.) on top of adapter. Stood idle until Dec.
13, 1927 when hole was entered to begin abandonment.

ABANDONMENT RECORD

December 13, 1927, unable to clean out below 4610' with 1" X 1 1/2" tools and
2-3/8" bailer. Bailer brought up nothing but a little oil from bottom. Drove in
five 2" X 4' canisters of cement at 4610' and on December 15 dumped 20 sacks of cement
on top of plug. Top of plug at 4280' approved by S.M.B. December 16. Well idle until
March 12, 1928, when we entered hole and found no vibration on 6 1/2" below 3100'.
Engineer Dodd of S.M.B. gave permission to pull 6 1/2" from 3100', plug on top of stub and
perforate 8 1/4" from 3000 to 3100'. These perforations were to be used in an attempt to
pump waste water into formation.

Accordingly, on March 15, filled hole with mud, pulled 6 1/2" from 3190'.
Drove wooden plug in top of casing, bridged on top and dumped 5 sacks of cement. Plug
at 3173' approved by S.M.B. on March 16th. Perforated 8 1/4" Casing from 3000' to 3173'
with 3/4" X 1 1/2" holes, 24" centers opposite sands into which we planned to pump waste
water.

PRESENT CASING RECORD

12 1/2"	Casing Cemented at	2000'
8 1/4"	"	3935' W.S.O. OK. Perf. 3000-3173
6 1/2" & 5-5/8"	"	4325' S.O. P.P. Pulled from 3190'
4 1/2" & 3"	" Landed	4693' 354' of screen pulled from
		4303', leaving 3" liner 4503-4693'.

Depth 4700'.

Plugged 4610-4280; 3190-3173.

Abandoned March 21, 1928.

See log of well 9/5/29 follow well for waste water

F

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
HISTORY OF OIL OR GAS WELL

Mobil Oil Corp.
Operator R. Edward Payne/MOBIL FOUNDATION, INC. Field Santa Fe Springs County Los Angeles
Well Mobil Oil Corp./Jalk #4 Sec. 6 T. 3S R. 11W SB B.&M.
A.P.I. No. 037-15977 Name J.L. Allen Title General Manager
(Person submitting report) (President, Secretary, or Agent)
Date October 28, 1999
(Month, day, year)
Signature J.L. Allen
Address 3000 Pegasus Park Dr., Dallas, TX. 75247 Telephone Number (562) 989-6100

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

Date	
10/12/99	M.I.R.U. weld riser w/ gussets on Jalk #4.
10/13/99	Nipple up, set B.O.P. drilled out surface plug to 10', drilling on wood. SWI.
10/14/99	Install cross-over spool & P.G.S.R., cont. drill out cement & wood from 15' to 31'. SWI.
10/15/99	Continue to drill on surface plug from 31' to 35', came free. R.I.H. @ 62' stack drilled to 65', came free. R.I.H. to 1927'. P.O.O.H. to 1615'. SWI.
10/18/99	Continue drill from 1927' to 1960' top of 8 5/8" casing stub. P.O.O.H. w/ tubing. SWI.
10/19/99	Continue drill from 1960' to 3200'. Circ hole clean. SWI.
10/20/99	Circ & cleaned out from 3200' to 4231' w/ tubing @ 4231' mix & pump 28 cu.ft. of neat "G" cement. C.T.O.C. is 4081' pull tubing to 3500'. SWI.
10/21/99	Ran tubing tag cement plug @ 4087', witnessed by B. Navia w/ D.O.G. W/ tubing @ 3154' mix & pump 28 cu.ft. of "G" cement w/ 2% c.c. set cement 3 hrs. Ran tubing tag cement plug @ 3004' witnessed by Martin Wells w/ D.O.G. W/ tubing @ 3000' pumped 72# mud to surface, w/ 282 bbls, pull tubing, shop cavity @ 2400' w/ tubing @ 2408' mix & pump 108 cu.ft. of neat "G" cement. Pull tubing to 1500' down squeeze 41 cu.ft. w/ 500# psi. Witnessed by Martin Wells w/ D.O.G. SWI.
10/25/99	Ran tubing, tag cement plug @ 2227', witnessed by Bert Navia w/ D.O.G. Laid excess tubing down shot cavity @ 1080'. W/ tubing @ 1089' mix & pump 198 cu.ft. of neat "G" cement. Pull tubing to 740' down squeeze 70 cu.ft. w/ 100# psi. C.T.O.C. is 939', witnessed by Chris McCullough w/ D.O.G. Pull tubing. SWI.
10/26/99	Ran tubing, tag cement plug @ 931', witnessed by Chris McCullough w/ D.O.G. Laid excess tubing down shot four 1/2" holes at 60'. W/ tubing at 120' mix & pump 103 cu.ft. of neat "G" cement with no returns to surface. Witnessed by Mel Saw w/ D.O.G.
10/27/99	Ran tubing, tag cement plug @ 60' w/ tubing @ 60' pump neat "G" cement to surface w/ 51 cu.ft. Close casing, squeeze 63 cu.ft. out holes at 60'. Witnessed by Mel Saw w/ D.O.G. and Brian Reparuk w/ City of Santa Fe Springs Fire Department. R.D.M.O.

4

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
HISTORY OF OIL OR GAS WELL

Operator R. Edward Payne/MOBIL FOUNDATION, INC. Field Santa Fe Springs County Los Angeles
Well Mobil Oil Corp./Jalk #4 Sec. 6 T. 3S R. 11W SB B.&M.
A.P.I. No. 037-15977 Name J.L. Allen Title General Manager
(Person submitting report) (President, Secretary, or Agent)
Date October 28, 1999
(Month, day, year)

Signature J.L. Allen

Address 3000 Pegasus Park Dr., Dallas, TX. 75247 Telephone Number (562) 989-6100

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

Date	
10/12/99	M.I.R.U. weld riser w/ gussets on Jalk #4.
10/13/99	Nipple up, set B.O.P. drilled out surface plug to 10', drilling on wood. SWI.
10/14/99	Install cross-over spool & P.G.S.R., cont. drill out cement & wood from 15' to 31'. SWI.
10/15/99	Continue to drill on surface plug from 31' to 35', came free. R.I.H. @ 62' stack drilled to 65', came free. R.I.H. to 1927'. P.O.O.H. to 1615'. SWI.
10/18/99	Continue drill from 1927' to 1960' top of 8 5/8" casing stub. P.O.O.H. w/ tubing. SWI.
10/19/99	Continue drill from 1960' to 3200'. Circ hole clean. SWI.
10/20/99	Circ & cleaned out from 3200' to 4231' w/ tubing @ 4231' mix & pump 28 cu.ft. of neat "G" cement. C.T.O.C. is 4081' pull tubing to 3500'. SWI.
10/21/99	Ran tubing tag cement plug @ 4087', witnessed by B. Navia w/ D.O.G. W/ tubing @ 3154' mix & pump 28 cu.ft. of "G" cement w/ 2% c.c. set cement 3 hrs. Ran tubing tag cement plug @ 3004' witnessed by Martin Wells w/ D.O.G. W/ tubing @ 3000' pumped 72# mud to surface, w/ 282 bbls, pull tubing, shop cavity @ 2400' w/ tubing @ 2408' mix & pump 108 cu.ft. of neat "G" cement. Pull tubing to 1500' down squeeze 41 cu.ft. w/ 500# psi. Witnessed by Martin Wells w/ D.O.G. SWI.
10/25/99	Ran tubing, tag cement plug @ 2227', witnessed by Bert Navia w/ D.O.G. Laid excess tubing down shot cavity @ 1080'. W/ tubing @ 1089' mix & pump 198 cu.ft. of neat "G" cement. Pull tubing to 740' down squeeze 70 cu.ft. w/ 100# psi. C.T.O.C. is 939', witnessed by Chris McCullough w/ D.O.G. Pull tubing. SWI.
10/26/99	Ran tubing, tag cement plug @ 931', witnessed by Chris McCullough w/ D.O.G. Laid excess tubing down shot four 1/2" holes at 60'. W/ tubing at 120' mix & pump 103 cu.ft. of neat "G" cement with no returns to surface. Witnessed by Mel Saw w/ D.O.G.
10/27/99	Ran tubing, tag cement plug @ 60' w/ tubing @ 60' pump neat "G" cement to surface w/ 51 cu.ft. Close casing, squeeze 63 cu.ft. out holes at 60'. Witnessed by Mel Saw w/ D.O.G. and Brian Reparuk w/ City of Santa Fe Springs Fire Department. R.D.M.O.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. T 199-0853

REPORT ON OPERATIONS

Cypress, California
January 4, 2000

R. Edward Payne
MOBIL FOUNDATION, INC.
3000 Pegasus Park Dr.
Dallas, TX 75247

Your operations at well Mobil Oil Corp./"Jalk" 4, A.P.I. No. 037-15977, Sec. 6, T. 3S., R. 11W, S.B. B. & M., Santa Fe Springs Field, Los Angeles County, were witnessed on 12-8-99. Mel Saw, representative of the supervisor, was present from 0910 to 0915. There was also present J. Allen, Rig Supervisor.

Present condition of well: 20" Id 125'; 12 1/2" cem 2000', cav shot 1080'; 8 1/4" cem 3893' WSO, cav shot 2400', pulled fr 1960'; 6 1/4 x 5 5/8" cem 4290' WSO, shot 3200', pulled fr 3151'; 3" Id 4260' - 4641', perf 4307' - 4641'. TD 4642'. Plugged w/cem 4642', 3154' - 3004', 2408 - 2226', 2003' - 1760, 1089' - 931' & 120' - 10'.

The operations were performed for the purpose of witnessing the plugging operations in the process of reabandonment.

DECISION: APPROVED.

NOTE: The required Class II2M blowout prevention equipment was inspected and approved on 10-21-99.


DEFICIENCIES: None.

CONTRACTOR: Allenco

DEC:nl

cc: Update

William F. Guerard, Jr.
State Oil and Gas Supervisor

By: 
For: R. K. Baker, Deputy Supervisor

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P 199-1004

PERMIT TO CONDUCT WELL OPERATIONS

666

(Field Code)

00

(Area Code)

(New Pool Code)

(Old Pool Code)

R. Edward Payne
MOBIL FOUNDATION, INC.
3000 Pegasus Park Dr.
Dallas, TX 75247

Cypress, California
September 24, 1999

Your supplementary proposal to reabandon well Mobil Oil Corp./"Jalk" 4, A.P.I. No. 037-15977, Section 6, T. 3S, R. 11W, S.B. B. & M., Santa Fe Springs Field, -- area, -- pool, Los Angeles County, dated 09/17/99, received 09/23/99 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment equivalent to this Division's Class II2M requirements, or better, shall be installed and maintained in operating condition.
2. All portions of the well not plugged with cement shall be filled with clay base mud having a minimum density of 72 lb/cu ft and a minimum gel-shear strength of 25 lb/100 sq ft.
3. The well shall be plugged with cement from 4225' to 4125' and 3151' to 3051'.
4. The 20"X12 1/2" annulus shall be plugged with cement from 60' to 5'.
5. This Division shall be consulted and a Supplementary Notice may be required before making any changes in the proposed program.
6. **THIS DIVISION SHALL BE NOTIFIED TO:**
 - a. Inspect the installed blowout prevention equipment prior to commencing downhole operations.
 - b. Witness the location and hardness of the cement plugs at 4125' and 3051'.
 - c. Witness the mudding of the hole.
 - d. Witness the placing, location and hardness of the cement plug from 2400' to 2300'.
 - e. Witness the location and hardness of the cement plug at 1860'.
 - f. Witness the placing, location and hardness of the cement plug from 1080' to 980'.
 - g. Witness the placing, location and hardness of the cement plug from 106' to 6'.
 - h. Inspect and approve the cleanup of the well site within 60 days after placement of the surface plug.

NOTE:

1. This Division does not pass upon your right to enter the property, but merely approves the proposal as conforming to our requirements.
2. A Division witnessed and approved leak test of the surface plug prior to welding on the steel plate at the surface is a requirement of the Construction Site Review process.

DEC:dc

cc: Update

Mobil Oil Corp.

NO BOND REQUIRED

Engineer: D. E. Curtis

Phone: 714/816-6847

William F. Guerard, Jr.

State Oil and Gas Supervisor

By [Signature]
For R. K. Baker, Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CARDS ☒ 02
BOND ☒ 9/24/99
OGD114 ☐ 9/24/99
OGD121 ☐ 9/24/99

Notice of Intention to Abandon Well

File in Duplicate

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon

Well Jalk No. 4 API No. 037-15977 Sec. 6 T. 35 R. 11W S.B. B.&M.

Santa Fe Springs Field Los Angeles County, starting work on

The present condition of the well is

1. Total depth: 4,642 feet

2. Complete casing record, with plugs and perforations (present hole):

See Attached Drawing

3. Date last produced or injected: 7/1924

Additional data for dry hole (show depths)

1. Oil or gas shows:

2. Stratigraphic markers:

3. Formation and age at total depth:

4. Base of freshwater sands:

Is this a critical well according to the definition on the reverse side of this form (or on page 2 if you are using the Internet)?

☐ Yes
☒ No

The proposed work is as follows:

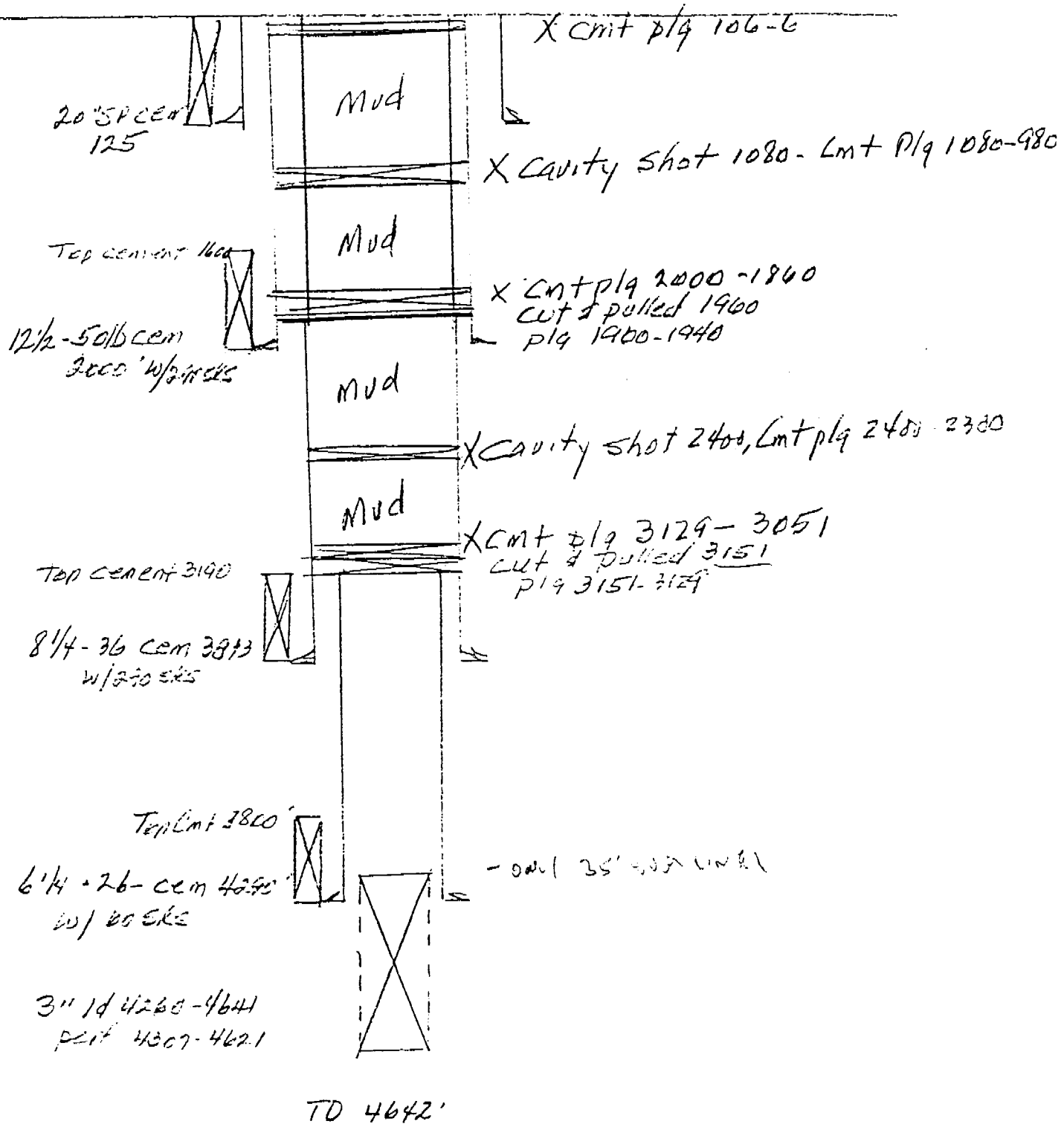
- Plug 4225-4175
- 1) Clean out to 3,129 feet;
 - 2) lay cement plug from 3,129 feet to 3,051 feet; plug 3151-3051
 - 3) pump mud from 3,051 feet to 2,400 feet;
 - 4) place a cavity shot in a 8 1/4 inch casing at 2,400 feet, pump cement and plug cavity shot up to 2,300 feet; nhz
 - 5) pump mud from 2,300 feet to 2,000 feet;
 - 6) lay cement plug from 2,000 feet to 1,860 feet; slong plug
 - 7) pump mud from 1,860 feet to 1,080 feet;
 - 8) place a cavity shot in a 12 1/2 inch casing at 1,080 feet, pump cement and plug cavity shot up to 980 feet, pump mud 980 feet to 106 feet; 860
 - 9) lay cement surface plug from 106 feet to 6 feet below ground surface; and
 - 10) cap and weld on I.D. plate.
- 20' x 17' 1/2" Annular

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 3000 Pegasus Park Dr.
Dallas, TX 75247
(City) (State) (Zip)

Telephone Number 214-951-2966
(Area Code) (Number)

Mobil Foundation, Inc.
(Name of Operator)
By R. Edward Payne
(Print Name)
[Signature] 9/17/99
(Signature) (Date)



CALIFORNIA STATE MINING BUREAU

Department of Petroleum and Gas

NOTICE OF INTENTION TO DRILL NEW WELL

This notice must be given before drilling begins

Mobil Oil Corp.

Los Angeles Cal. October 2, 1922

Mr. L. E. Soyster

Deputy State Oil and Gas Supervisor

Los Angeles Cal.

DEAR SIR:

"Jalk" 4

In compliance with Section 17, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to commence the work of drilling well number 4 Section 6 T. 3 S. R. 11 W., S. B. B. & M.,

Santa Fe Springs Oil Field, Los Angeles County.

of N. Property line & of centerline of Norwalk Road.

The well is 150' S. / ~~from Norwalk Road~~ 530' W. ~~from Norwalk Road~~

(Give location in distance from section corners or other corners of legal subdivision)

The elevation of the derrick floor above sea level is 144.53 feet.

We propose to use the following strings of casing either cementing or landing them as here indicated:

Size of Casing, Inches	Weight, Lb. Per Foot	New or Second Hand	Depth	Landed or Cemented
12 1/2"	50#		2000'	Cemented
8 1/4"	36#		3850'	Cemented
6 1/4"	26#		3920'	Landed

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

We estimate that the first productive oil or gas sand should be encountered at a depth of about 3870' feet, more or less.

cc- L. L. McLaine

F. S. Banks

File.

Respectfully yours,

Address

GENERAL PETROLEUM CORPORATION
(Name of Company or Operator)

Telephone number

By

General Agent.

Address notice to Deputy State Oil and Gas Supervisor in charge of district where well is located

Fill this blank in with typewriter. Write on one side of paper only

CALIFORNIA STATE MINING BUREAU

FERRY BUILDING, SAN FRANCISCO

LOG OF OIL OR GAS WELL

RECEIVED
MAR 7 1923

LOS ANGELES OFFICE

FIELD SANTA FE SPRINGS COMPANY General Petroleum CorporationTownship 3 S. Range 11 W. Section 6 Elevation 144.53 Number of Well 3114

In compliance with the provisions of Chapter 718, Statutes of 1915, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Signed B. E. Parsons a.s.x.Date March 6, 1923.Title General Agent
(President, Secretary or Agent)

The summary on this page is for the ORIGINAL condition of the well

OIL SANDS

1st sand from as per log to _____ 4th sand from _____ to _____
 2d sand from _____ to _____ 5th sand from _____ to _____
 3d sand from _____ to _____ 6th sand from _____ to _____

IMPORTANT WATER SANDS

1st sand from _____ to _____ 3d sand from _____ to _____
 2d sand from _____ to _____ 4th sand from _____ to _____

CASING RECORD

Casing	Where Landed	Where Cut	Weight Per Foot	Threads per Inch	Kind of Shoe	Make of Casing	Yes	No	Cemented	Number of Sacks
20"	125		Stovepipe							
12 1/2"	2000	not	50	10	Plain	Youngstown	Yes			290
8 1/4"	3893	not	36	10	Plain	D.B.X.	Yes			290
5/4 & 3"	3912	not	15 & 9	10	Plain	Youngstown		No		

7' of 3" casing on bottom of 4 3/4 followed by 3" x 4-3/4 L. H. Swage nipple.

CEMENTING OR OTHER SHUT-OFF RECORD

Log. Size	Sacks	Time Set	Method	Test and Result (Give water level and bailing results)
8 1/4"	290	11 days	Perkins	Swabbed fluid until well flowed. Hole showed no free water. W.S.O. - O.K.

PLUGS AND ADAPTERS

Heaving Plug—Material _____ Length _____ Where set _____

Adapters —Material _____ Size _____

TOOLS

Rotary tools were used from _____ 0 _____ ft. to _____ 3912 _____ ft.

Cable tools were used from _____ ft. to _____ ft.

PERFORATIONS

State clearly whether a machine was used or casing was drilled in shop

From	To	Size of Holes	Number of Rows	Holes per Foot	Machine—Shop
95 ft.	3912 ft.	100 Mesh McVoy Screen.			
ft.	ft.				
ft.	ft.				
ft.	ft.				

Thirty days after completion well produced 366 barrels of oil per day.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P 199-0680

PERMIT TO CONDUCT WELL OPERATIONS

Julian I. Hathaway, Agent
HATHAWAY COMPANY
P. O. Box 3404
SANTA FE SPRINGS CA 90670

Cypress, California
June 10, 1999

666

(Field Code)

00

(Area Code)

--

(New Pool Code)

00

(Old Pool Code)

Your proposal to abandon well "Jalk" 111, A.P.I. No. 037-15486-01, Section 6, T. 3S, R. 11W, S.B. B. & M., Santa Fe Springs Field, -- area, -- pool, Los Angeles County, dated 06/08/99, received 06/09/99 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment equivalent to this Division's Class II2M requirements, or better, shall be installed and maintained in operating condition.
2. All portions of the well not plugged with cement shall be filled with clay base mud having a minimum density of 72 lb/cu ft and a minimum gel-shear strength of 25 lb/100 sq ft.
3. For the isolation of the fresh water sands, the 11 3/4" casing shall be perforated at 1100' and sufficient cement shall be squeezed to fill to 1000' outside and inside the casing.
4. This Division shall be consulted and a Supplementary Notice may be required before making any changes in the proposed program.
5. **THIS DIVISION SHALL BE NOTIFIED TO:**
 - a. Inspect the installed blowout prevention equipment prior to commencing downhole operations.
 - b. Witness the placing, location and hardness of the cement plug from 3971' to 3856'.
 - c. Witness the mudding of the hole.
 - d. Witness the squeeze cementing of the 11 3/4" casing through the perforations at 2100' and 1100'.
 - e. Witness the location and hardness of the cement plugs at 2000' and 1000'.
 - f. Witness the placing, location and hardness of the cement plug from 150' to 10'.
 - g. Inspect and approve the cleanup of the well site within 60 days after placement of the surface plug.

NOTE:

1. A Division witnessed and approved leak test of the surface plug prior to welding on the steel plate at the surface is a requirement of the Construction Site Review process.

DEC:dc

cc: Update

NO BOND REQUIRED

Engineer: D. E. Curtis

Phone: 714/816-6847

William F. Guerard, Jr.
State Oil and Gas Supervisor

By TPL Manna
For R. K. Baker, Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

P-199-0651

06

DIVISION OF OIL AND GAS

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
✓	BB	6-9-99	6-9-99

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention

to abandon well "Jalk" 111, API No. 037-15486,Sec. 6, T. 3 S., R. 11 W., S. B. B & M., Santa Fe Springs Field, Los Angeles County.
Commencing work on June 21, 1999

The present condition of the well is:

1. Total depth 7961'. Plugs: 7961'-7874', 7811'-7293', 6647'-6592', & 4800'-4560'. Cavity shot at 4630. Junk: 7811'. Redrilled below window at 3140' to 4602'.
2. Complete casing record, including plugs and perforations (present hole)
18" 75# cemented at 1015'.
11" 60# cemented at 4248', cut window at 3140'.
6 5/8" 26# cemented at 4600', C.P. 4258'. Plugged perforations 4258-4401' & 4431'-4600' from 4560'-4067' and perforated interval 3971'-3956'.
3. Last produced March 1999 1 0 150
(Date) (Oil, B/D) (gas, MCF/D) (water, B/D)
4. Last injected N.A.
(Date) (Water, B/D) (Gas, Mcf) (Surface Pressure)

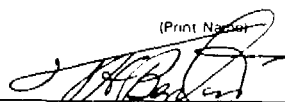
Additional data for dry hole (show depths):

5. Oil or gas shows
6. Stratigraphic markers
7. Formation and age at total depth
8. Base of fresh water sands ? 1000'

9. Is this a critical well according to the definition on the reverse side of this form? ☒ Yes ☐ No

The proposed work is as follows:

1. Install Class II-2M blow out preventer.
 2. Fill hole with killing fluid sufficient to control well.
 3. Displace oil from bottom. Clean out to 4067'.
 4. Place cement plug from 3971'-3856' ±.
 5. Fill 6 5/8" casing with 72 lb/cu. ft. clay base mud with min. gel-shear strength of 25#/100 sq. ft.
 6. Cut and pull 6 5/8" to lowest free point but not below 2100'.
 7. Shoot 11" casing at top of uppermost gas sand with eight 1/2" holes at 4/ft. 2100'
 8. Place cement plug above 6 5/8" stub and 100' over shot holes. Attempt to squeeze away 70 cu. ft. 2400'
 9. Shoot 11" at base of fresh water with eight 1/2" holes and place 100 foot cement plug above shot holes. 1000'
Attempt to squeeze away sufficient to fill 18"x11" annulus with 100 lineal feet.
 10. Place surface plug from 150' to 10' below surface. Fill 18' x 11' annulus from 60' ±.
- It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address P.O. Box 3404
(Street)Hathaway Company
(Name of Operator)Santa Fe Springs California 90670
(City) (State) (Zip)By T. H. Benton, Consultant
(Print Name)Telephone Number (562)944-8337
(Area Code) (Number)
(Signature) 6/8/99
(Date)

F

SUBMIT IN DUPLICATE
RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator.....Hathaway Company.....Field Santa Fe Springs County Los Angeles
Well.....Jalk 111....., Sec. 6, T. 3S, R. 11 W. SBB. & M.
A.P.I. No. 037-15486.....Name J. I. Hathaway Title Pres
Date Feb. 29, 1996.....(Person submitting report) (President, Secretary or Agent)

Signature *J. I. Hathaway*

10707 Norwalk Blvd., Santa Fe Springs, Ca. 90670

(Address)

310-944-8337
(Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

9-10-95 Moved in Company rig to plug off Meyer zone
Made up 2 7/8 tubing. Put on 7" Guiberson 3000# BOP Hydraulic
-15 Cleaned out to 4420. Plug. Bit pull out.
9-16 Ran 2 7/8 Tubing in. Cleaned out from 4420 to 4470. Lost circulation
Put in 20 gal. Palmer. at 4470. Let set.
1-7,8,9 Put in 20 gal Palmer at 4500'. Let set
1-8-11-96 Put in 5 gal Palmer. Cleaned out to 4560'
Hole clean. Pulled out DC and 5 5/8 Bit
Ran 2 7/8 in to 4560 to cement. Wait on Howco to cement
1-14-96 Howco pumped in 40 Sks cement at 4560. 10# of Flo Cell 2% CaCl
Let set 4 hrs. No cement to 4560'
-15 Howco pumped in 40 Sks cement 2% CaCl at 4560'. Pulled out 20 stands
-16 Ran 2 7/8 in. Set on plug at 4464'. Set 8000# on plug. Plug tubing
Pulled out of hole.
1-17 Ran 2 7/8 in to 4464. Let set
-18 Howco pumped in 40 Sks cement 2% CaCl 4464 Pulled out 1200' tubing :et s
1-19 Ran 2 7/8 in to plug. Set down at 6000# - 4279'
Circulated hole 2 hrs. Clean.
Howco pumped in 30 Sks cement at 4279. 2% CaCl. 10# of FloCell
Pulled tubing up 300'. Circulated hole clean. no cement
1-22 Ran tubing in to plug. Set 6000# on plug at 4067
DOG OK plug at 4067'/
Circulated hole clean 4067'

4560 to 4484 80 Sks cement 10 Sks Cal Seal
4484 to 4275 40 Sks cement
4275 to 4067 30 Sks cement
1-29 Dialog perf 2 holes per ft.
3956 to 3971'
Ran 2 7/8 in to 4060. Circulated hole clean with salt water.
Landing tubing at 3743'
Have to put in Electric and new pipe lines
to hook up well and set pumping unit

SUBMIT IN DUPLICATE
RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

History of Oil or Gas Well

Operator Hathaway Company..... Field Santa Fe Springs County Los Angeles...
Well Jalk# 111....., Sec. 6, T. 3S., R. 11W., S.B. B. & M.
A.P.I. No. 037-15486..... Name J. I. Hathaway..... Title President.....
Date June 24, 1996..... (Person submitting report) (President, Secretary or Agent)

Signature *J. I. Hathaway*

10707 Norwalk Blvd., Santa Fe Springs, Ca. 90670... (310) 944-8337...
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests and initial production data.

Date

5-11-96	Jalk#111 tubing to 3690'
	Pumped approx. 80 bbls. of water
	Pumped off - No fluid at 3690'
5-14-96	Lowered tubing 185' to 3875'
	Well pumped up and made 5 bbls. of water
	Pumped off at 3875' then put well on 18" of vacuum.
5-16-96	Started well up and no fluid.
5-17-96	Started well up and pumped 10 Gals. of water.
5-18-96	Started well up and pumped 5 Gals. of water.
5-25-96	Well off seven days - Started well up and made 1 BB1. of water and a scum of oil.
5-26-96	Well pumped 10 gals. water and a scum of oil.
5-27-96	Well pumped 10 gals. water and a scum of oil.
5-27 to	
6-10-96	Well pumped ½ BB1. water and a scum of oil.
6-10-96	Shut well down.

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND MINING
DEPARTMENT OF PETROLEUM AND GAS

DIVISION OF MINES AND MINING

RECEIVED

AUG 9 1928

Department of Petroleum & Gas
LOS ANGELES, CALIFORNIA.

Notice of Intention to Drill New Well
This notice must be given before drilling begins

037-15486

Pyramid Oil Co.

Los Angeles Cal. August 4th 1928

Mr. E. Huguenin,

Deputy State Oil and Gas Supervisor

Los Angeles, Cal.

DEAR SIR:

"JALK" III

In compliance with Section 17, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to commence the work of drilling well number Jalk III, Section 6, T. 3, R. 11, S.B.B. & M.,

Santa Fe Springs Oil Field, Los Angeles, County.

The well is 126' S. of N. prop. line (Agee Lease) & 150' W of C/L Norwalk Road

(Give location in distance from section corners or other corners of legal subdivision)

The elevation of the derrick floor above sea level is 143.84 feet.

We propose to use the following strings of casing, either cementing or landing them as here indicated:

Size of Casing, Inches	Weight, Lb. Per Foot	New or Second Hand	Depth	Landed or Cemented
18	S.P.		1000	Cemented
11 3/4	61		4250	"
9	40	Approx.	5750	"
5 3/4	22	"	6050	Landed

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

We estimate that the first productive oil or gas sand should be encountered at a depth of about _____ feet, more or less.

Respectfully yours

Address 1003 Higgins Building General Petroleum Corp. of California
(Name of Company or Operator)

Telephone number Mutual 2311 By Ben E. Paragne
A. S. Hayes

ADDRESS NOTICE TO DEPUTY STATE OIL AND GAS SUPERVISOR IN CHARGE OF DISTRICT WHERE WELL IS LOCATED

cc: W. L. McLaine

Reference W. L. Borough

W. L. Hardison

Section	Traverse	Leads	Forms
8-1678			✓
15572			✓

B
8/10/28
B.B.N.

Lease consists of: _____

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND MINING
DEPARTMENT OF PETROLEUM AND GAS

DIVISION OF MINES & MINING
RECEIVED

FEB - 1 1929

Department of Petroleum and Gas
LOS ANGELES, CALIFORNIA

Supplementary Notice

Los Angeles, Cal. January 30 1929

Mr. E. Haguenin,

Deputy State Oil and Gas Supervisor

Los Angeles, Cal.

DEAR SIR:

Please be advised that our notice to you dated August 8 1929,

stating our intention to drill well No. Jalk 111
(Drill, deepen, redrill, abandon)

Sec. 6, T. 3, R. 11, S. B. B. & M. Santa Fe Springs Oil Field,

Los Angeles County, must be amended on account of changed or recently
discovered conditions.

The new conditions are as follows: 18" stovepipe cemented 3 1015'
11 3/4" casing " " 4243' W.S.O.
Depth: 6370'.

Only showing of oil found was as shown below: Cored from 5699 to 6370'

5699-5854 Gray sand, few streaks shale

5854-5874 Hard shale

5874-5894 Sand, slight cut - poor

5894-5913 Shale w/ few streaks fair oil sand

5913-5951 Oil sand - does not look good

5951-5972 Gray sand

5972-6370 Gray sand w/ streaks shale

We now propose to prospect ahead with core barrel. If showings of oil are
encountered, or if it is decided to abandon hole for lack of same, your
department will be notified and a supplementary notice filed.

Respectfully yours

General Petroleum Corp. of California.
(Name of Company)

By

R. D. Swartz

Received by Mr. of day

Cor. J. D. McElaine
Mod. J. D. McElaine
J. D. Harrison
Files

SUBMIT LOG IN DUPLICATE
FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAPER ONLYSTATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND MINING

SEP 14 1929

DEPARTMENT OF PETROLEUM AND GAS

LOG OF OIL OR GAS WELL

Loc. 6, T. 3, R. 11, S.B. B. & M., Elevation 147.34 Well No. Jalk-111
D. Santa Fe Springs COMPANY General Petroleum Corp. of Calif.

In compliance with the provisions of Chapter 718, Statutes of 1915, as amended, the information given herewith is a complete correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Signed General Petroleum Corp. of Calif.Date Sept. 7, 1929Title General Agent
(President, Secretary or Agent)

The summary on this page is for the ORIGINAL condition of the well

OIL SANDS

sand from _____ to _____ 4th sand from _____ to _____
d sand from _____ to _____ 5th sand from _____ to _____
d sand from _____ to _____ 6th sand from _____ to _____

IMPORTANT WATER SANDS

st sand from _____ to _____ 3d sand from _____ to _____
d sand from _____ to _____ 4th sand from _____ to _____

CASING RECORD

Casing	Where Landed	Where Cut	Weight Per Foot	Threads Per Inch	Kind of Shoe	Make of Casing	Yes	No	Cemented	Number of Sacks
2"	1015					Hercules	X			600
2"	4248					Youngstown	X			400
2 1/8"	7042					"	X			550
2 1/8"	7885					"	X			40

CEMENTING OR OTHER SHUT-OFF RECORD

Casing	Sacks	Time Set	Method	Test and Result (Give water level and bailing results)
2"	400	5 days	Perkins	Six foot drop in 25 1/2 hours. Bailed to 1810' (On Recement)
2 1/8"	550	6 "	"	Indeterminate
2 1/8"	40	6 "	"	Deferred decision on flow test.

PLUGS AND ADAPTERS

Leaving Plug—Material _____ Length _____ Where set _____

Adapters —Material _____ Size _____

TOOLS

Rotary Tools were used from _____ 0 _____ ft. to _____ 7961 _____ ft.

ble Tools were used from _____ ft. to _____ ft.

PERFORATIONS

State clearly whether a machine was used or casing was drilled in shop

To	Size of Holes	Number of Rows	Holes Per Foot	Machine—Shop
off string, ft.				
ft.				
ft.				
ft.				

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P 199-0409

PERMIT TO CONDUCT WELL OPERATIONS

Julian I. Hathaway, Agent
HATHAWAY COMPANY
P. O. Box 3404
SANTA FE SPRINGS CA 90670

666
(Field Code)
00
(Area Code)
00
(New Pool Code)
00
(Old Pool Code)
Cypress, California
April 22, 1999

Your proposal to abandon well "Jalk" 112, A.P.I. No. 037-15487, Section 6, T. 3S, R. 11W, S.B. B. & M., Santa Fe Springs Field, -- area, -- pool, Los Angeles County, dated 4/15/99, received 4/16/99 has been examined in conjunction with records filed in this office.

Records at variance or in addition: Well redrilled 1939: drilled thru 6 5/8" @ 4330'; 4 3/4" Id 4283'-4610', all perf?. TD (present hole) 4610'.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment equivalent to this Division's Class II2M requirements, or better, shall be installed and maintained in operating condition.
2. All portions of the well not plugged with cement shall be filled with clay base mud having a minimum density of 72 lb/cu ft and a minimum gel-shear strength of 25 lb/100 sq ft.
3. The well shall be plugged with cement from 4610' to 4183'.
4. For the isolation of the oil and gas zones, the 11 3/4" casing shall be perforated at 2100' and sufficient cement shall be squeezed to fill to 2000' outside and inside the casing.
5. For the isolation of the fresh water sands, the 11 3/4" casing shall be perforated at 1100' and sufficient cement shall be squeezed to fill to 1000' outside and inside the casing.
6. This Division shall be consulted and a Supplementary Notice may be required before making any changes in the proposed program.
7. **THIS DIVISION SHALL BE NOTIFIED TO:**
 - a. Inspect the installed blowout prevention equipment prior to commencing downhole operations.
 - b. Witness the placing, location and hardness of the cement plug from 4610' to 4183'.
 - c. Witness the mudding of the hole.
 - d. Witness the squeeze cementing of the 11 3/4" casing thru the perforations at 2100' and 1100'.
 - e. Witness the location and hardness of the cement plugs at 2000' and 1000'.
 - f. Witness the placing, location and hardness of the cement plug from 150' to 10'.
 - g. Inspect and approve the cleanup of the well site within 60 days after placement of the surface plug.

NOTE:

1. A Division witnessed and approved leak test of the surface plug prior to welding on the steel plate at the surface is a requirement of the Construction Site Review process.

DEC:dc

cc: Update
BLANKET BOND

Engineer: D. E. Curtis

Phone: 714/816-6847

William F. Guerard, Jr.
State Oil and Gas Supervisor
By TRE [Signature]
For R. K. Baker, Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

P= 199-0409

05

DIVISION OF OIL AND GAS

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
/	BB	4-21-99	4-22-99

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention

to abandon well "Jalk" 112, API No. 037-15487,

Sec. 6, T. 3 S., R. 11 W., S. B. B & M., Santa Fe Springs Field, Los Angeles County.

Commencing work on May 15, 1999.

The present condition of the well is:

Additional data for dry hole (show depths):

- | | |
|--|--|
| <p>1. Total depth 8020'. Plugs: 8020'-7961', 4900'-4710', 4710'-4587' & 4370'-4340'. Cavity shots at 4710', 4620' & 4600'. 6 5/8" collapsed at 4346'.</p> <p>2. Complete casing record, including plugs and perforations (present hole)
18" 84# cemented at 1023'.
11 1/4" 60# cemented at 4324'.
6 5/8" 26# cemented at 7990', perforated 4340'-4600' & shot holes 4324'-4334'.</p> <p>3. Last produced <u>March 1999</u> <u>3</u> <u>0</u> <u>220</u>
(Date) (Oil, B/D) (Gas, MCF/D) (Water, B/D)</p> <p>4. Last injected <u>N/A</u>
(Date) (Water, B/D) (Gas, MCF/D) (Surface Pressure)</p> | <p>5. Oil or gas shows</p> <p>6. Stratigraphic markers
<u>GAS 2100'</u></p> <p>7. Formation and age at total depth</p> <p>8. Base of fresh water sands <u>(? 1000')</u> <u>1100'</u></p> |
|--|--|

9. Is this a critical well according to the definition on the reverse side of this form? ☒ Yes ☐ No

The proposed work is as follows:

x2

1. Install Class II-2M blow-out preventer.
2. Fill hole with killing fluid sufficient to control well.
3. Displace oil from bottom. Clean out to top of cement plug but no deeper than collapsed section at 4346'.
4. Place cement plug to fill to 4224'. NO PLUG 4610'-4143'
5. Fill 6 5/8" casing with 72 lb/cu. ft. clay base mud with min. gel-shear strength of 25#/100 sq. ft.
6. Cut and pull 6 5/8" to lowest free point but not below 2100'.
7. Shoot 11 1/4" casing at top of uppermost gas sand with eight 1/2" holes at 4/ft.
8. Place cement plug above 6 5/8" stub and 100' over shot holes. Attempt to squeeze sufficient cement to fill 100 lineal feet in outside annulus. 2100' - 2000'
9. Shoot 11 1/4" at base of fresh water with eight 1/2" holes and place 100' cement plug. Attempt to squeeze away sufficient to fill outside annulus with 100 lineal feet. 1100' - 1000'
10. Place surface plug from 150' to 10' below surface. Fill 18' x 11 1/4' annulus from 60 +'.

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address P.O. Box 3404
(Street)
Santa Fe Springs California 90670
(City) (State) (Zip)

Hathaway Company
(Name of Operator)
By T. H. Benton, Consultant

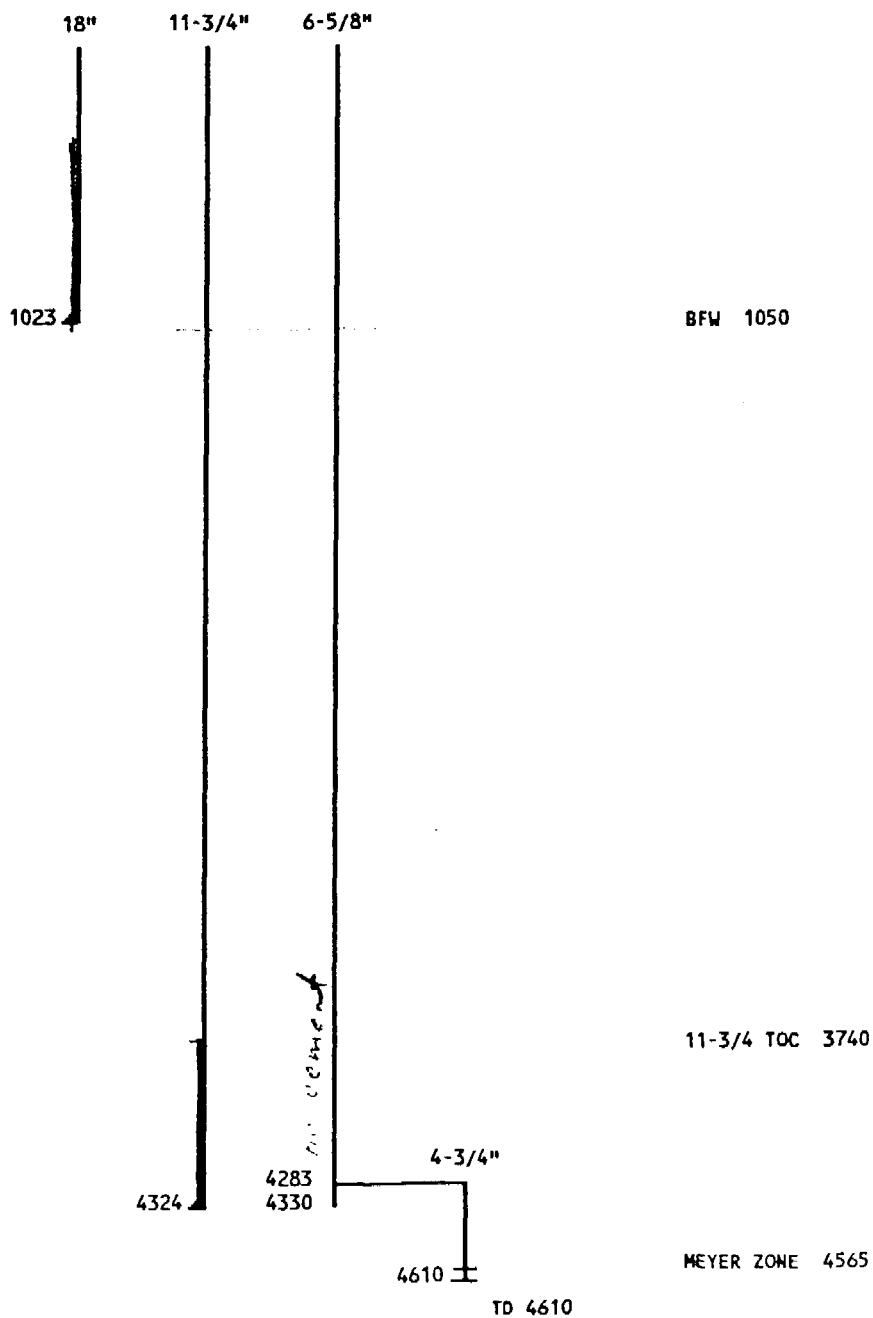
Telephone Number (562)944-8337
(Area Code) (Number)

T. H. Benton 4-15-99
(Signature) (Date)

Hathaway Co.
JALK 112
(API No. 03715487-1)

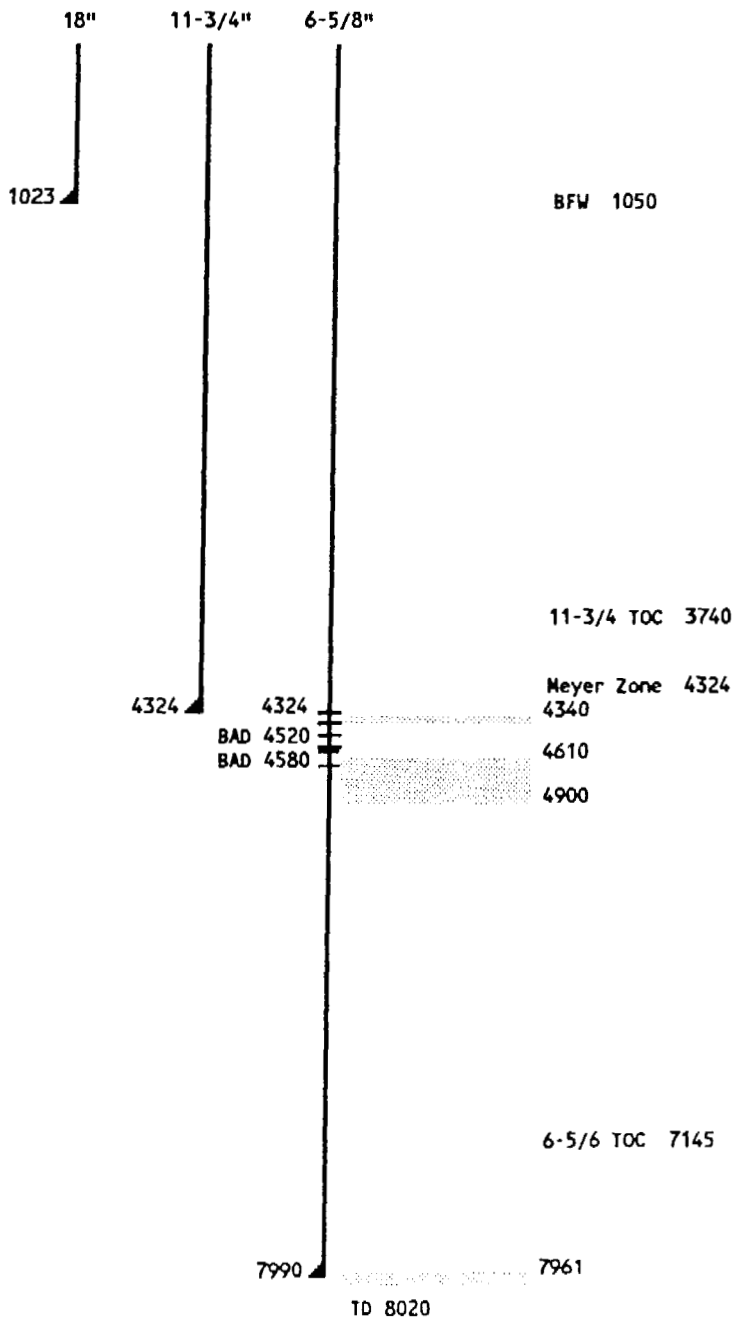
Redline 1939

18 cem 1023'; 11-3/4 cem 4324' WSO; 6-5/8 cem 7990', drilled thru 4330'; 4-3/4 ld 4283'-4610', perf 4565'-4610'. TD (present hole) 4610'. NOTE: BFW @1050', 11-3/4 TOC @3740', MEYER ZONE @4565'.



Hathaway Co.
JALK 112
(API No. 03715487-0)

18 cem 1023'; 11-3/4 cem 4324'WS0; 6-5/8 cem 7990', cp 4324', cp 4334', cav 4710', shot @ 4600',
4620', perf 4324'-4610', bad 4520', 4580'. TD 8020'. Plugged w/cem 8020'-7961', 4900'-4610',
4370'-4340'. NOTE: BFW @1050', 11-3/4 TOC @3740', 6-5/6 TOC @7145', Meyer Zone @4324'.



STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND MINING
DEPARTMENT OF PETROLEUM AND GAS

DIVISION OF MINES & MINING

RECEIVED

AUG 27 1928

Department of Petroleum and Gas
Los Angeles, California

Notice of Intention to Drill New Well

This notice must be given before drilling begins

037-15487

Pyramid Oil Co.

Los Angeles Cal. August 24, 1928

Mr. E. Huguenin

Deputy State Oil and Gas Supervisor

Los Angeles Cal.

DEAR SIR:

In compliance with Section 17, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to commence the work of drilling well number "Jalk" 112, Section 6, T. 3, R. 11, S. BB. & M., 76C

Santa Fe Springs Oil Field, Los Angeles County.
46'S of N. line of Property & 1175'W of c/l of Norwalk Road.
The well is from N. 63° E. and xxxxxxxxxx Ex. 1175' from

(Give location in distance from section corners or other corners of legal subdivision)

The elevation of the derrick floor above sea level is 142.19 feet.

We propose to use the following strings of casing, either cementing or landing them as here indicated:

Size of Casing, Inches	Weight, Lb. Per Foot	New or Second Hand	Depth	Landed or Cemented
18"	Stovepipe		1000	Cemented
11 1/4"	61		4330	" Cont: 4330' Mod: 4335' Outside: Depth: 5736'
9"	40	Approx.	5880	"
5 1/4"	22	"	6150	Landed

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

We estimate that the first productive oil or gas sand should be encountered at a depth of about _____ feet, more or less.

Respectfully yours

Address _____

General Petroleum Corporation of California
(Name of Company or Operator)

Telephone number _____

By Ben E. Parsons
GENERAL AGENT

ADDRESS NOTICE TO DEPUTY STATE OIL AND GAS SUPERVISOR IN CHARGE OF DISTRICT WHERE WELL IS LOCATED

CC: W. L. McLaine

W. L. Borough

W. L. Hardison

Files

1000

1000

1000

1000

1000

Lease consists of: _____

8/28/28

OK

76C

1000

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND MINING
DEPARTMENT OF PETROLEUM AND GAS

DIVISION OF MINES & Mining
RECEIVED
FEB - 1 1929
Department of Petroleum and Gas
LOS ANGELES, CALIFORNIA

Supplementary Notice

Los Angeles, Cal. January 30 1929

Mr. E. Huguenin,

Deputy State Oil and Gas Supervisor

Los Angeles, Cal.

DEAR SIR:

Please be advised that our notice to you dated August 24 1928,

stating our intention to drill well No. Jalk 112
(Drill, deepen, redrill, abandon)

Sec 6, T. 3, R. 11, S. 3. B. & M. Santa Fe Springs Oil Field,

Los Angeles County, must be amended on account of changed or recently
discovered conditions.

The new conditions are as follows: 18" stovepipe cemented at 1023'
11 1/2" casing " " 4324' W.S.O.
Depth 5557'

Has been shut down since January 8th. Hole has been kept full of heavy mud by
means of a line from another rig.

We now propose Due to poor showings in the Buckbee zone as determined by other
wells in the area, we propose to plug the hole with cement to 4625', the bottom
of clean production in the Meyer zone, in order to protect such zone until we
can put the well on production at 4625'.

Reference to file of date

Respectfully yours

General Petroleum Corp. of California
(Name of Company)

By

A. D. Swartz

cc:	W. L. McLaine	File
	Borough	
	S. W. Hardison	
	Files	

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

RECEIVED

Notice of Intention to Deepen, Redrill, Plug or Alter Casing in Well

This notice must be given fifteen days before work begins when possible

Los Angeles, Cal. May 27, 1930

Mr. E. Huguenin

Deputy State Oil and Gas Supervisor

Los Angeles, Cal.

DEAR SIR:

In compliance with Section 17, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to commence the work of ~~deepening, redrilling~~ plugging or altering casing at well No. Jalk 112
(Cross out unnecessary words)

, Sec. 6, T. 3, R. 11, S.E. B. & M.
Santa Fe Springs Oil Field. Los Angeles County.

The present condition of the well is as follows:

18" Stove-pipe Cemented at 1023'
11 3/4" Casing " " 4324' W.S.O.
6-5/8" " " " 7990' Decision deferred. Well was clean.
TOTAL DEPTH: 8020

Completed June 30, 1929. Initial Production: 1823 - 33.1 - 0.4%.

Present production: 16 - 21.4 - 31.0%. Fluid level 6800'. Pumping 8 hours daily.

The proposed work is as follows:

Clean out to 8020' and plug with cement to 7960'. Fill hole with mud to 4900'. Pump in cement plug 4900' to 4710' and shoot casing off at 4710'. Pull 6-5/8" from this point if possible. If this can be done, plug with cement to 4710' to 4685' and under-ream hole 4324' to 4685'. Land 6-5/8" liner and produce well from Meyer. If pipe cannot be pulled from 4710, plug shot cavity and casing to 4620'. Shoot casing and pull if possible. If pulled, plug to 4600' and finish as above. If casing cannot be pulled from 4620', plug shot cavity to 4600' and perforate 6-5/8" from 4340' to 4600'.

plug a all cor.
Reference to file of data

CC: W.I. McLaine
W.L. Borough
C.V. Gravett

Files

Respectfully yours

General Petroleum Corp. of Calif.

Name of Company or Operator

By

GENERAL AGENT

Address Notice to Deputy State Oil and Gas Supervisor in Charge of District Where Well is Located

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Report on Proposed Operations

No. P-1-21782

Los Angeles, Cal. June 3, 1930.

Mr. B. E. Parsons,

Los Angeles, Cal.

Agent for GENERAL PETROLEUM CORPORATION OF Company CALIFORNIA

DEAR SIR:

Your proposal to plug and alter csg. Well No. "JALK" 112, Section 6, T. 3-S., R. 11-W., S. B.B. & M., Santa Fe Springs Oil Field, Los Angeles County, dated May 27, 1930, received May 31, 1930, has been examined in conjunction with records filed in this office.

Present conditions as shown by the records and the proposal are as follows:

RECORDS: The condition of the well is as stated in the notice.

THE NOTICE STATES:

"The present condition of the well is as follows:

18" Stove-pipe Cemented at 1023'

11 3/4" Casing " " 4324' W.S.O.

6-5/8" " " 7990' Decision deferred. Well was clean.

TOTAL DEPTH: 8020

Completed June 30, 1929. Initial Production: 1823 - 33.1 - 0.4%.

Present production: 16 - 21.4 - 31.0%. Fluid level 6800'. Pumping 8 hours daily."

PROPOSAL:

"The proposed work is as follows:

Clean out to 8020' and plug with cement to 7960'. Fill hole with mud to 4900'. Pump in cement plug 4900' to 4710' and shoot casing off at 4710'. Pull 6-5/8" from this point if possible. If this can be done, plug with cement to 4710' to 4685' and under-ream hole 4324' to 4685'. Land 6-5/8" liner and produce well from Meyer. If pipe cannot be pulled from 4710, plug shot cavity and casing to 4620'. Shoot casing and pull if possible. If pulled, plug to 4600' and finish as above. If casing cannot be pulled from 4620', plug shot cavity to 4600' and perforate 6-5/8" from 4340' to 4600'."

DECISION:

THE PROPOSAL IS APPROVED PROVIDED THAT THIS DIVISION SHALL BE NOTIFIED TO WITNESS:

1. The location and hardness of cement plug at 7960'.
2. The location and hardness of cement plug at 4685' or 4600'.
3. A production test within 30 days after the well is placed on production.

cc-F. S. Banks
W. L. McLaine

CLB:GH

R. D. BUSH

State Oil and Gas Supervisor

By *E. J. McGuire* Deputy

SUBMIT LOG IN DUPLICATE
FILL THIS BLANK IN WITH TYPEWRITER. WRITE ON ONE SIDE OF PAGE ONLY

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND MINING
DEPARTMENT OF PETROLEUM AND GAS
LOS ANGELES, CALIFORNIA

RECEIVED
JUL 27 1929

LOG OF OIL OR GAS WELL

FIELD Santa Fe Springs COMPANY General Petroleum Corp. of Calif.
Sec. 6, T. 3, R. 11, S. B. B. & M., Elevation 142 Well No. JALK 112

In compliance with the provisions of Chapter 718, Statutes of 1915, as amended, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Signed General Petroleum Corp. of Calif.
Date July 21, 1929 Title General Agent
(President, Secretary or Agent)

The summary on this page is for the ORIGINAL condition of the well

OIL SANDS

1st sand from _____ to _____ 4th sand from _____ to _____
2d sand from _____ to _____ 5th sand from _____ to _____
3d sand from _____ to _____ 6th sand from _____ to _____

IMPORTANT WATER SANDS

1st sand from _____ to _____ 3d sand from _____ to _____
2d sand from _____ to _____ 4th sand from _____ to _____

CASING RECORD

Casing	Where Landed	Where Cut	Weight Per Foot	Threads Per Inch	Kind of Shoe	Make of Casing	Yes	No	Cemented	Number of Sacks
8" S.P.	1023		84				X			800
10" "	4324		60			Youngstown	X			400
5 7/8" "	7396		26				X			300

CEMENTING OR OTHER SHUT-OFF RECORD

Size	Sacks	Time Set	Method	Test and Result (Give water level and bailing results)
1 1/2"	400		Perkins	8' drop in 39 1/2 hours.
5/8"	300		"	Deferred decision on Production test.

PLUGS AND ADAPTERS

Leaving Plug—Material _____ Length _____ Where set _____
Adapters —Material _____ Size _____

TOOLS

Rotary Tools were used from _____ ft. to 8020 ft.
Sable Tools were used from _____ ft. to _____ ft.

PERFORATIONS

State clearly whether a machine was used or casing was drilled in shop

To	Size of Holes	Number of Rows	Holes Per Foot	Machine—Shop
ft.	ft.			
ft.	ft.			
ft.	ft.			
ft.	ft.			

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P 199-1070

PERMIT TO CONDUCT WELL OPERATIONS

666
(Field Code)

00
(Area Code)

--
(New Pool Code)

10
(Old Pool Code)

Julian I. Hathaway, Agent
HATHAWAY COMPANY
P. O. Box 3404
SANTA FE SPRINGS CA 90670

Cypress, California
October 7, 1999

Your proposal to Abandon well "Jalk" 113, A.P.I. No. 037-15488, Section 6, T. 3S, R. 11W, S.B. B. & M., Santa Fe Springs Field, - - area, Meyer pool, Los Angeles County, dated 9/8/99, received 9/28/99 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment, with hydraulic controls, equivalent to this Division's Class II2M requirements, or better, shall be installed and maintained in operating condition.
2. All portions of the well not plugged with cement shall be filled with clay base mud having a minimum density of 72 lb/cu ft and a minimum gel-shear strength of 25 lb/100 sq ft.
3. The 6 5/8" casing shall be cut and pulled from 2370'.
4. For the isolation of the oil and gas zones, the 11" casing shall be perforated at 2370' and sufficient cement shall be squeezed to fill to 2270' outside the casing.
5. This Division shall be consulted and a Supplementary Notice may be required before making any changes in the proposed program.
6. **THIS DIVISION SHALL BE NOTIFIED TO:**
 - a. Inspect the installed blowout prevention equipment prior to commencing downhole operations.
 - b. Witness the mudding of the hole.
 - c. Witness the placement, location and hardness of the cement plug from 4598' to 4200'.
 - d. Witness the squeeze cementing of the 11" casing through the perforations at 2370' and at 1060'.
 - e. Witness the location and hardness of the cement plugs at 2270' and at 1000'.
 - f. Witness the placing, location and hardness of the cement plug from 60' to 5', inside and outside the 11" casing.
 - g. Inspect and approve the cleanup of the well site.

NOTE:

1. The base of the freshwater sands is at 1000' ±
2. The shallow gas zone is at 2370.

JDJ:jj

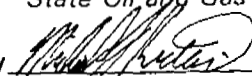
cc:Update
EDP

Project Code: HA2

Engineer: John Jepson

Phone: 714/816-6847

William F. Guerard, Jr.
State Oil and Gas Supervisor

By 
For R. K. Baker, Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

P1991090 JS
S

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

DIVISION OF OIL AND GAS

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
/	BB ₁₁₃	9/29/99 PB	9/30/99 PB

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon well "Jalk" 113, API No. 037-15488,

Sec. 6, T. 3 S., R. 11 W., S. B. B & M., Santa Fe Springs Field, Los Angeles County.
Commencing work on June 21, 1999

The present condition of the well is:

1. Total depth 8363'. Plugs: 8363-8002', 7963-7892', 7870-7645', 7640'-7392' & 4900-4598'. Cavity shots at 8150, 7790, 4640' & 4610'. Junk: 7949'-7965'.
2. Complete casing record, including plugs and perforations (present hole)
18" 75# cemented at 1008'.
11" 54# cemented at 4289'.
6 5/8" 26# cemented at 7965', perforated 4300'-4595'.
4 1/4" perforated liner, 7938'-8363'.
3. Last produced March 1993 6 0 90
(Date) (Oil, B/D) (gas, MCF/D) (water, B/D)
4. Last injected Never commenced
(Date) (Water, B/D) (Gas, Mct) (Surface Pressure)

Additional data for dry hole (show depths):

5. Oil or gas shows
6. Stratigraphic markers
7. Formation and age at total depth
8. Base of fresh water sands ? 1000'

9. Is this a critical well according to the definition on the reverse side of this form? ☒ Yes ☐ No

The proposed work is as follows:

1. Install Class II-2M blow out preventer.
2. Fill hole with killing fluid sufficient to control well.
3. Displace oil from bottom. Clean out to 4598'.
4. Place cement plug from 4598'-4200' ±.
5. Fill 6 5/8" casing with 72 lb/cu. ft. clay base mud with min. gel-shear strength of 25#/100 sq. ft.
6. Cut and pull 6 5/8" to lowest free point but not below 2100'.
7. Shoot 11" casing at top of uppermost gas sand with eight 1/2" holes at 4/ft.
8. Place cement plug above 6 5/8" stub and 100' over shot holes. Attempt to squeeze away 70 cu. ft.
9. Shoot 11" at base of fresh water with eight 1/2" holes and place 100 foot cement plug above shot holes. Attempt to squeeze away sufficient to fill outside annulus with 100 lineal feet.
10. Place surface plug from 150' to 10' below surface. Fill 18' x 11' annulus from 60' ±.

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address P.O. Box 3404 Hathaway Company
(Street) (Name of Operator)

Santa Fe Springs California 90670 By T. H. Benton, Consultant
(City) (State) (Zip) (Print Name)

Telephone Number (562)944-8337 [Signature] 9/8/99
(Area Code) (Number) (Signature) (Date)

RESOURCE AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

REPORT OF CANCELLATION

CANCELLATION/ CORRECTION made:	Date/Initial
Form 121 _____	9/30/99
Form 177 _____	
Form 140 _____	
WELL Reports _____	
RECORDS: Log Fkt _____	
ED9 _____	
BOND _____	
FIELD MAP _____	
MAP BOOK _____	

Cypress, California
September 30, 1999

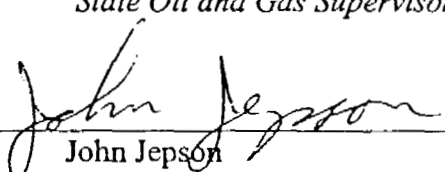
Julian I. Hathaway, Agent
HATHAWAY COMPANY
P O Box 3404
SANTA ANA CA 90670

In accordance with your abandonment notice dated 9-8-99 the following change pertaining to your well "Jalk" 113, API. No. 037-15488, Santa Fe Springs Field, Los Angeles County, Sec. 6, T. 3S, R. 11, S.B. B. & M., is being made in our records:

Your supplementary notice to convert to water disposal dated 4-6-99, and our report No. P 199-0359, issued in answer thereto, are hereby cancelled inasmuch as the work will not be done. If you have an individual bond on file covering this notice, it will be returned. No request for such return is necessary.

William F. Guerard, Jr.
State Oil and Gas Supervisor

By


John Jepson
Associate Engineer

JJ:db

cc: Update

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P 199-0359

PERMIT TO CONDUCT WELL OPERATIONS

WATER DISPOSAL PROJECT

Julian I. Hathaway, Agent
HATHAWAY COMPANY
P. O. Box 3404
SANTA FE SPRINGS CA 90670

CANCELLED
30
SEP 28 1999
pb

Cypress, California
April 19, 1999

666
(Field Code)
00
(Area Code)
10
(New Pool Code)
00
(Old Pool Code)

Your supplementary proposal to convert to fluid disposal in well "Jalk" 113, A.P.I. No. 037-15488, Section 6, T. 3S, R. 11W, S.B. B. & M., Santa Fe Springs Field, - - area, Clark-Hathaway pool, Los Angeles County, received 4/6/99 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. In all other respects the well shall be converted to water disposal in accordance with the provisions set forth in our report No. P 196-0818, dated 7/9/96.
2. The permit to convert this well is extended through 3/31/2000.
3. **THIS DIVISION SHALL BE NOTIFIED TO:**
 - a. Inspect the installed blowout prevention equipment prior to commencing downhole operations.
 - b. Witness a pressure test of the 6 5/8" casing prior to injection.
 - c. Witness the running of an injection survey.

JJ:jj

cc:Update
EDP

BLANKET BOND

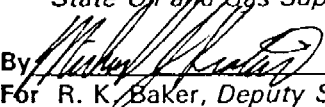
Project Code: HA2

Engineer: John Jepson

Phone: 714/816-6847

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

OG 111

William F. Guerard, Jr.
State Oil and Gas Supervisor
By 
For R. K. Baker, Deputy Supervisor

DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

WELL STATUS INQUIRY

Julian I. Hathaway, Agent
HATHAWAY COMPANY
P. O. Box 3206 3404
SANTA FE SPRINGS CA 90670

P#104-0359 Cypress, California
March 19, 1999

FORMS		
EOND	114	121
BB	4-7-99	4-7-99

In a notice dated 7-9-96, you propose to rework well "Jalk" 113, API No. 037-15488, Sec. 6, T. 3S, R. 11W, S.B. B. & M., Santa Fe Springs Field, Los Angeles County.

Please indicate below, conditions or intentions regarding this proposed work and return the completed form to this office within 10 days.

William F. Guerard, Jr.
State Oil and Gas Supervisor

By John Jenson
John Jenson, Enhanced Recovery Engineer

JJ:gr

- ☐ PROPOSED WORK HAS BEEN DONE. (If you check this space, please file the required well records on this work in duplicate within 60 days after work was completed.)
- ☐ PROPOSED WORK IS IN PROGRESS AND SHOULD BE COMPLETE ABOUT _____. (Date of completion.)
- ☒ PROPOSED WORK HAS NOT BEEN DONE, BUT WE STILL INTEND TO DO THE WORK.**
- ☐ SUPPLEMENTARY NOTICE (Form OG123) ATTACHED.
- ☒ PLEASE CONSIDER THIS FORM AS A SUPPLEMENTARY NOTICE.
- ☐ WE DO NOT INTEND TO DO THE PROPOSED WORK. Please cancel our notice to _____ dated _____.
- ☐ OTHER: _____

J. F. Hathaway
(Signature)

J. F. Hathaway, President
(Name and Title)

- * Division 3 of the Public Resources Code states in part:
Section 3215, ...Well records shall be filed 60 days after completion or suspension of proposed work.
- ** Section 3203, ...If operations have not commenced within one year of receipt of the notice, the notice will be considered cancelled. (To prevent cancellation, file a Supplementary Notice with the division.)

4-5-99 Doc. Hathaway/Jenson: Co. still planning to convert well.
Negotiating surface rights w/ land owner. Rejected - no sale - permit OK by D.G.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P 198-0303

PERMIT TO CONDUCT WELL OPERATIONS

WATER DISPOSAL PROJECT

Julian I. Hathaway, Agent
HATHAWAY COMPANY
P. O. Box 3404
SANTA FE SPRINGS CA 90670

Long Beach, California
March 31, 1998

666
(Field Code)
00
(Area Code)
10
(New Pool Code)
00
(Old Pool Code)

Your supplementary proposal to convert to fluid disposal in well "Jalk" 113, A.P.I. No. 037-15488, Section 6, T. 3S, R. 11W, S.B. B. & M., Santa Fe Springs Field, - - area, Clark-Hathaway pool, Los Angeles County, received 3/20/98 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. In all other respects the well shall be converted to water disposal in accordance with the provisions set forth in our report No. P 196-0818, dated 7/9/96.
2. The permit to convert this well is extended through 3/31/99.
3. **THIS DIVISION SHALL BE NOTIFIED TO:**
 - a. Inspect the installed blowout prevention equipment prior to commencing downhole operations.
 - b. Witness the squeeze cementing of the 6 5/8".
 - c. Witness a pressure test of the 6 5/8" casing prior to injection.
 - d. Witness the running of an injection survey.

JJ:jj

cc:Update
EDP

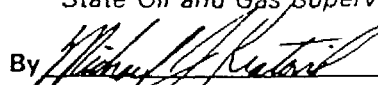
BLANKET BOND

Project Code: HA2

Engineer: John Jepson

Phone: 714/816-6847

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

William F. Guerard, Jr.
State Oil and Gas Supervisor
By 
For R. K. Baker, Deputy Supervisor

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS
SUPPLEMENTARY NOTICE

FOR DIVISION USE ONLY			
BOND	FORMS		EDP WELL
1L	OGD114	OGD121	FILE
B3	7/9/96	7/9/96	/

A notice to the Division of Oil and Gas dated 1/31/96, stating the intention to
Rework well Judy ("Hathaway") 113, API No. 037-15488,
Sec. 6, T. 6S, R. 11 W, S. B. B&M., Santa Fe Springs,
Los Angeles County, should be amended because of changed conditions.

1. The complete casing record of the well (present hole), including plugs and perforations, is as follows:

18" 75# Cemented at 1008'
11" 54# Cemented at 4289'
6-5/8" 26# Cemented at 7965'. perforated 4300'-4595'
4-3/4" Perforated liner 7938'-8363' Plugs: 8363'-8002', 7963'-7892', 7870'-7645' and
7640'-7392', 4900'-4598'

2. The total depth is: 8363 feet. The effective depth is: 7392 feet.
3. Present completion zone(s): Meyer (Name) Anticipated completion zone(s): Clark-Hathaway (Name)
4. Present zone pressure: psi. Anticipated /existing new zone pressure: Unknown psi.


We now propose: (A complete program is preferred and may be attached.)

1. Move in and install Class II-2M blow-out preventer.
2. Squeeze off gun perforations 4300'-4595' in 6-5/8" casing.
3. Drill out cement plugs 4598'-4900' & 7392'-7640'
4. Run correlation gamma ray-neutron log.
5. Perforate Clark-Hathaway Zone as indicated by log. 7550'
6. Obtain sample of formation water.
7. Run 2-1/2" tubing injection string with packer set above injection interval.
8. Make injectivity tests and commence injecting waste water.

Project HAZ
FAP 666-00-10

BFW 1050 ±

Note: If the well is to be redrilled, show proposed bottom-hole coordinates and estimated true vertical depth.
The Division must be notified if changes to this plan become necessary.

Name of Operator	Telephone Number		
Hathaway Company	(310) 944-8337		
Address	City	Zip Code	
P.O. Box 3404	Santa Fe Springs, California	90670	
Name of Person Filing Notice	Signature	Date	
T. H. Benton, Consultant		7-2-96	

File in Duplicate

HATHAWAY COMPANY
 "JALK" 113
 API No. 037-15488
 Sec. 6, T3S, R11W, S.B.B.&M

PLUG BACK

Completed Drilling: Aug. 3, 1929
 Started Production: All Water
 Total Depth: 8363 feet

CASING RECORD

18" 75# at 1008 feet
 11" 54# at 4289 feet
 6-5/8" 26# at 7965 feet
 6-5/8" perforations: 4300-4595'

PLUGGING RECORD
 Location & Hardness of all plugs
 Witnessed by D.O.G.

Casing Size Inches	Bottom feet	Top feet	Sacks
4-3/4	8363	8300	8 & 1
4-3/4	8300	8253	15
4-3/4	8256	8022	20
4-3/4	8080	7980	9
Cleaned out to 8170 feet			
4-3/4	8170	8002	8, 15, 5, 12
6-5/8	7963	7892	30
6-5/8	7870	7645	20, 50, 28
6-5/8	7640	7392	32
6-5/8	4900	4598	36
Cavity Shots @ 8150, 7790, 4640 & 4610 feet			

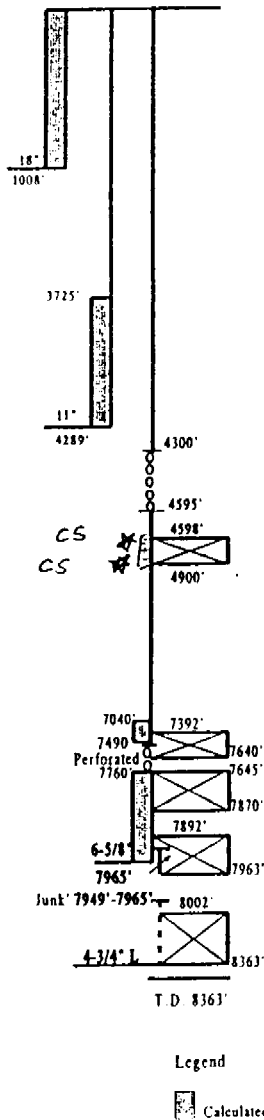


Figure 1

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND MINING
DEPARTMENT OF PETROLEUM AND GAS

DIVISION OF MINES & MINING

RECEIVED

SEP 10 1928

Department of Petroleum and Gas
LOS ANGELES, CALIFORNIA

Notice of Intention to Drill New Well
This notice must be given before drilling begins

037-15488

Pyramid Oil Co.

Los Angeles Cal. Sept. 7 1928

Mr. E. Huguenin,
Deputy State Oil and Gas Supervisor

Los Angeles Cal.

DEAR SIR:

In compliance with Section 17, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to commence the work of drilling well No. 113, Sec. 6, T. 3, R. 11, S. B. B. & M.,

A.R.N.

Santa Fe Springs Oil Field, Los Angeles County.
The well is 46' S. of N. line of lease & 786' W. of C/L of Norwalk Road
feet N. or S., and feet E. or W. from.
(Give location in distance from section corners or other corners of legal subdivision)

The elevation of the derrick floor above sea level is 143.38 feet.

We propose to use the following strings of casing, either cementing or landing them as here indicated:

Size of Casing, Inches	Weight, Lb. Per Foot	New or Second Hand	Depth	Landed or Cemented
18	Stovepipe		1000	Cemented
11 $\frac{3}{4}$	61		4290	"
9	40	Approx.	5840	"
5 $\frac{7}{8}$	22	"	6200	Landed

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

We estimate that the first productive oil or gas sand should be encountered at a depth of about feet,
more or less.

Respectfully yours

Address

General Petroleum Corp. of California

(Name of Company or Operator)

Telephone number

By *Paul Carson*
GENERAL AGENT

ADDRESS NOTICE TO DEPUTY STATE OIL AND GAS SUPERVISOR IN CHARGE OF DISTRICT WHERE WELL IS LOCATED

cc: W. L. McLaine
W. L. Borough
S. W. Hardison

Lease consists of:

Files	Index Section	Cards	Form
11/4/28			✓

B-Ron
9/13/28

DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well

This notice must be given at least five days before work is to begin.

FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
	20	OGD114	OGD121
		2-18-99	2-18-99

DIVISION OF OIL AND GAS

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention

to abandon well "Jalk" 117

API No. 037-15490

Sec. 6, T. 3 S, R. 11 W, S. B B & M., Santa Fe Springs Field, Los Angeles County.

Commencing work on March 15, 1999

The present condition of the well is:

Additional data for dry hole (show depths):

- Total depth 4616'.
- Complete casing record, including plugs and perforations (present hole)

11 1/4" 42# slip-joint cemented at 259'.

7" 24# cemented at 4350' and at C.P. 778' with 100 sacks.

5 1/2" 20# liner hung 4334'-4617' with perforations 4346'-4616'.

3. Last produced Jan. 1999 3 0 170

(Date) (Oil, B/D) (Gas, MCF/D)

4. Last injected N/A

(Date) (Water, B/D) (Gas, Mcf/D) (Surface Pressure)

- Oil or gas shows
- Stratigraphic markers

7. Formation and age at total depth

8. Base of fresh water sand ± 1110'

1110'

9. Is this a critical well according to the definition on the reverse side of this form? ☒ Yes ☐ No

The proposed work is as follows:

- Install Class II-2M blow out preventer.
- Fill hole with killing fluid sufficient to control well.
- Displace oil from bottom. Clean out to 4616'.
- Place cement plug from 4616'-4230' ±. MIS 4234
- Fill 6 1/8" casing with 72 lb/cu. ft. clay base mud with minimum gel-shear strength of 25#/100 sq. ft. NESD 4422
- Shoot casing at 1320' with eight 1/2" holes spaced at 4 per foot. SCW
- Place cement plug in 7" with sufficient cement to cover 100' above shot holes and to squeeze away 35 cubic feet outside the shot holes. 1110' - 678'
- Place surface plug from 150' to 20' below grade. Fill 11 1/4" x 7" annulus from 60' ±

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address P.O. Box 3404

(Street)

Hathaway Company

(Name of Operator)

Santa Fe Springs California 90670

(City)

(State)

(Zip)

By T. H. Benton, Consultant

(Print Name)

Telephone Number (562) 944-8337

(Area Code)

(Number)

(Signature)

(Date)

16 Feb. 1999

OIL & GAS
RECEIVED

AUG 1 - 1941

LOG. NO. 117, 0.117-117

STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

LOG OF OIL OR GAS WELL

Operator HATHAWAY COMPANY Field Santa Fe Springs
 Well No. "Jeep" 117 Sec. 5, T. 3 S., R. 11 W., S. B. & M.
 Location 35' N. of S. property line, 335' E. of W. property line Elevation 145'

In compliance with the provisions of Chapter 718, Statutes of 1915, as amended, the information given herewith is a complete and correct record of the present condition of the well and all work done thereon, so far as can be determined from all available records.

Date July 23, 1941 Signed J. J. Hathaway
 (Engineer or Geologist) (Superintendent) Title _____
 (President, Secretary or Agent)

Commenced drilling June 10, 1941 Completed drilling June 28, 1941 Drilling tools Rotary

Total depth 4613' Plugged depth _____
 Junk None

GEOLOGICAL MARKERS

DEPTH

Commenced producing July 13, 1941 ~~initial production~~ / pumping
 (date) (cross out unnecessary words)

Initial production
 Production after 10 days

Clean Oil bbl. per day	Gravity Clean Oil	Per Cent Water including emulsion	Gas Mcf. per day	Tubing Pressure	Casing Pressure
70	32.5	2.0	2	0	0
80	32.5	1.5	12	0	0

CASING RECORD (Present Hole)

Casing	Depth of Shoe	Top of Casing	Weight of Casing	New or Second Hand	Seamless or Lapweld	Grade of Casing	Size of Hole Casing landed in	Number of Sacks of Cement	Depth of Cementing if through perforations
11 3/4"	259	0	42#	new	S.J.		14 3/4"	195	
7"	4350	0	24#	"	smls.	H-40	10-5/8"	100 550	778
5 1/2"	4617	4334	20#	"	"	"	6-1/8"		

PERFORATIONS

Casing	From	To	Size of Perforations	Number of Rows	Distance Between Centers	Method of Perforations
7"	4346 ft.	4616 ft.	125-mesh	12	6"	slotted
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				
	ft.	ft.				

Electrical Log Depths Haliburton "jeep" 259'-4613', no copy obtn. (Attach Copy of Log)

DIVISION OF OIL AND GAS

RECEIVED

AUG 1 - 1941

NO. 10000, 100000

History of Oil or Gas Well

OPERATOR HATHAWAY COMPANY FIELD Santa Fe Springs

Well No. "JALK" 117, Sec. 6, T. 3 S., R. 11 W., S.B. B. & M.

Signed J. D. Hathaway

Date July 23, 1941.

Title _____
(President, Secretary or Agent)

It is of the greatest importance to have a complete history of the well. Use this form in reporting the history of all important operations at the well, together with the dates thereof, prior to the first production. Include in your report such information as size of hole drilled to cementing or landing depth of casings, number of sacks of cement used in the plugging, number of sacks or number of feet of cement drilled out of casing, depth at which cement plugs started, and depth at which hard cement encountered. If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

Date

1941

6/10

6/12

6/22

6/27

8/28

7/12

7/13

Spudded in, drilled 14 $\frac{3}{4}$ " hole to 259'. Cemented 11 $\frac{3}{4}$ ", 42-lb. casing at 259' with 195 sacks cement. ✓

Drilled 10-5/8" hole to 4397'. Ran Halliburton "Jeep".

Cemented shoe of 7", 24-lb. casing at 4350' with 350 sacks of Victor construction and 200 sacks Victor modified cement. Opened cementing ports in Hayward collar at 778 ft. and pumped out 100 sacks Victor construction cement. Closed ports and built up 600 lb. pressure. Division of Oil and Gas witnessed operations.

Drilled out cement and made hole to 4402 ft. Ran Halliburton tester on 3 $\frac{1}{2}$ " drill pipe, set packer at 4320 ft. Opened valve for 35 minutes. Showed easy blow for 8 minutes. Recovered 90 ft. mud. Division of Oil and Gas approved test.

Drilled 6-1/8" hole to 4616 ft. Ran Haliburton "Jeep".

Reamed hole and ran 282 ft. 5 $\frac{1}{2}$ ", 20-lb. liner, including 270 ft. of perforated, landed at 4616 ft. Bailed hole free of mud and water.

Ran 2 $\frac{1}{2}$ " upset tubing and pump to 4590'. Rigged up pumping unit.

On production, pumping 70 bbl. oil, 32.5 gravity, cutting 2%, 2 m.c.f. gas.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. P 199-1005

PERMIT TO CONDUCT WELL OPERATIONS

666
(Field Code)

00
(Area Code)

--
(New Pool Code)

--
(Old Pool Code)

R. Edward Payne
MOBIL FOUNDATION, INC.
3000 Pegasus Park Dr.
Dallas, TX 75247

Cypress, California
September 24, 1999

Your supplementary proposal to reabandon well Mobil Oil Corp./"Jalk" 114, A.P.I. No. 037-15978, Section 6, T. 3S, R. 11W, S.B. B. & M., Santa Fe Springs Field, -- area, -- pool, Los Angeles County, dated 09/17/99, received 09/23/99 has been examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED:

1. Blowout prevention equipment equivalent to this Division's Class II2M requirements, or better, shall be installed and maintained in operating condition.
2. All portions of the well not plugged with cement shall be filled with clay base mud having a minimum density of 72 lb/cu ft and a minimum gel-shear strength of 25 lb/100 sq ft.
3. The cement plug proposed to be placed to 4080' shall extend to at least 3880'.
4. The cement plug proposed to be placed to 875' shall extend to at least 863'.
6. This Division shall be consulted and a Supplementary Notice may be required before making any changes in the proposed program.
7. **THIS DIVISION SHALL BE NOTIFIED TO:**
 - a. Inspect the installed blowout prevention equipment prior to commencing downhole operations.
 - b. Witness the location and hardness of the cement plug at 3880'.
 - c. Witness the mudding of the hole.
 - d. Witness the placing, location and hardness of the cement plug from 2400' to 2300'.
 - e. Witness the placing, location and hardness of the cement plug from 1080' to 863'.
 - f. Witness the placing, location and hardness of the cement plug from 106' to 6'.
 - g. Inspect and approve the cleanup of the well site within 60 days after placement of the surface plug.

NOTE:

1. This Division does not pass upon your right to enter the property, but merely approves the proposal as conforming to our requirements.
2. A Division witnessed and approved leak test of the surface plug prior to welding on the steel plate at the surface is a requirement of the Construction Site Review process.

DEC:dc
cc: Update
Mobil Oil Corp.
NO BOND REQUIRED

Engineer: D. E. Curtis

Phone: 714/816-6847

William F. Guerard, Jr.
State Oil and Gas Supervisor
By TRE M...
For R. K. Baker, Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
HISTORY OF OIL OR GAS WELL

Operator R. Edward Payne/MOBIL FOUNDATION, INC. Field Santa Fe Springs County Los Angeles
Well Mobil Oil Corp./Jalk #114 Sec. 6 T. 3S R. 11W SB B.&M.
A.P.I. No. 037-15978 Name J.L. Allen Title General Manager
(Person submitting report) (President, Secretary, or Agent)

Date November 26, 1999
(Month, day, year)

Signature J-L Allen

Address 3000 Pegasus Park Dr., Dallas, TX. 75247 Telephone Number (562) 989-6100

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

Date	
10/29/99	M.I.R.U. all abandonment equip. Install B.O.P.E. Drilled out cement from surface to 81'. Close well in.
1/01/99	Drilled out cement and wood from 81' to 710'. Close well in.
11/02/99	Drilled out wood from 710' to 735'. Close well in.
1/03/99	Drilled out wood from 735' to 802'. Close well in.
11/04/99	Drilled out wood from 802' to 903'. Close well in.
1/05/99	Drilled out wood from 903' to 937'. Circulated hole clean. Close well in.
11/09/99	Drilled out cement and wood from 937' to 962'. Circulated hole clean. Close well in.
1/11/99	Drilled out cement and wood from 962' to 1553'. Circulated hole clean. Close well in.
11/12/99	Drilled out cement and wood from 1553' to 2600'. Circulated hole clean. Close well in.
1/15/99	Circulated and cleaned out wood from 2600' to 4160'. Circulated hole with 763 bbls of 72# mud; with tubing @ 4160' mix & pump 237 cu.ft. of neat "G" cement, C.T.O.C. is 3800' pull tubing to 3000'. Close well in.
1/16/99	Ran tubing, tag cement plug at 3815', mud and tag witnessed and approved by Martin Wells w/ D.O.G. Pull tubing, shot cavity at 2400' with tubing at 2410' mix & pump 181 cu.ft. of neat "G" cement, pull tubing to 1600', down squeeze 82 cu.ft. with 600# psi witnessing pumping of cement waived by Dan Dudak with D.O.G. Pull tubing. Close well in.
11/17/99	Ran tubing, tag cement plug at 2283' witnessing tag waived by Paul Frost w/ D.O.G. Close well in.
1/18/99	Shot cavity at 1080', w/ tubing @ 1085' mix & pump 342 cu.ft. of neat "G" cement. Pull tubing to 600', down squeeze 82 cu.ft. with 200# psi. Witnessed by Rich Loverne w/ D.O.G. Pull tubing. Close well in.
1/19/99	Ran tubing, tag cement plug @ 857', witnessed by Rich Loverne w/ D.O.G. Circulated mud for Rich Loverne w/ D.O.G. to approve. With tubing @ 120' mix & pump 89 cu.ft. of neat "G" cement, witnessed by Rich Loverne w/ D.O.G. Close well in.
1/24/99	Tag cement plug @ 50', w/ tubing @ 50', mix & pump 89 cu.ft. of neat "G" cement to surface. Witnessed by Bert Navia w/ D.O.G. and City of Santa Fe Springs Fire Department. R.D.M.O.

4

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
HISTORY OF OIL OR GAS WELL

Operator R. Edward Payne/MOBIL FOUNDATION, INC. Field Santa Fe Springs County Los Angeles
Well Mobil Oil Corp./Jalk #114 Sec. 6 T. 3S R. 11W SB B.&M.
A.P.I. No. 037-15978 Name J.L. Allen Title General Manager
(Person submitting report) (President, Secretary, or Agent)

Date November 26, 1999
(Month, day, year)

Signature J.L. Allen

Address 3000 Pegasus Park Dr., Dallas, TX. 75247 Telephone Number (562) 989-6100

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment, with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom of plugs, perforation details, sidetracked junk, bailing tests, and initial production data.

Date	
10/29/99	M.I.R.U. all abandonment equip. Install B.O.P.E. Drilled out cement from surface to 81'. Close well in.
11/01/99	Drilled out cement and wood from 81' to 710'. Close well in.
11/02/99	Drilled out wood from 710' to 735'. Close well in.
11/03/99	Drilled out wood from 735' to 802'. Close well in.
11/04/99	Drilled out wood from 802' to 903'. Close well in.
11/05/99	Drilled out wood from 903' to 937'. Circulated hole clean. Close well in.
11/09/99	Drilled out cement and wood from 937' to 962'. Circulated hole clean. Close well in.
11/11/99	Drilled out cement and wood from 962' to 1553'. Circulated hole clean. Close well in.
11/12/99	Drilled out cement and wood from 1553' to 2600'. Circulated hole clean. Close well in.
11/15/99	Circulated and cleaned out wood from 2600' to 4160'. Circulated hole with 763 bbls of 72# mud; with tubing @ 4160' mix & pump 237 cu.ft. of neat "G" cement, C.T.O.C. Is 3800' pull tubing to 3000'. Close well in.
11/16/99	Ran tubing, tag cement plug at 3815', mud and tag witnessed and approved by Martin Wells w/ D.O.G. Pull tubing, shot cavity at 2400' with tubing at 2410' mix & pump 181 cu.ft. of neat "G" cement, pull tubing to 1600', down squeeze 82 cu.ft. with 600# psi witnessing pumping of cement waived by Dan Dudak with D.O.G. Pull tubing. Close well in.
11/17/99	Ran tubing, tag cement plug at 2283' witnessing tag waived by Paul Frost w/ D.O.G. Close well in.
11/18/99	Shot cavity at 1080', w/ tubing @ 1085' mix & pump 342 cu.ft. of neat "G" cement. Pull tubing to 600', down squeeze 82 cu.ft. with 200# psi. Witnessed by Rich Loverne w/ D.O.G. Pull tubing. Close well in.
11/19/99	Ran tubing, tag cement plug @ 857', witnessed by Rich Loverne w/ D.O.G. Circulated mud for Rich Loverne w/ D.O.G. to approve. With tubing @ 120' mix & pump 89 cu.ft. of neat "G" cement, witnessed by Rich Loverne w/ D.O.G. Close well in.
11/24/99	Tag cement plug @ 50', w/ tubing @ 50', mix & pump 89 cu.ft. of neat "G" cement to surface. Witnessed by Bert Navia w/ D.O.G. and City of Santa Fe Springs Fire Department. R.D.M.O.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

No. T 100-0024

REPORT ON OPERATIONS

Cypress, California
January 5, 2000

R. Edward Payne
MOBIL FOUNDATION, INC.
3000 Pegasus Park Dr.
Dallas, TX 75247

Your operations at well Mobil Oil Corp./ " Jalk" 114, A.P.I. No. 037-15978, Sec. 6, T. 3S., R. 11W, S.B. B. & M., Santa Fe Springs Field, Los Angeles County, were witnessed on 12-8-99. Mel Saw, representative of the supervisor, was present from 0920 to 0930. There was also present J. Allen, Rig Supervisor.

Present condition of well: 18" cem 1008'; 11 3/4" cem 4239' WSO, cav shot 2400' & 1080', pulled fr 972'; 7" cem 7520', perf 4255'-4600', shot 4595', 4585' & 4565', pulled fr 4184'; 4 3/4" cem 7930', perf 7530'-7740', shot 7750', ripped 6990', 6590' & 6350', pulled fr 6352'; 3" Id, 7901'-8095', perf 7913'-8095', shot 8018'. TD 8095'. Bp 4650'. Plugged w/cem 8095'-7494', 6352'-6310', 4650'-3815', 2410'-2283', 1085'-857' & 120'-10'.

The operations were performed for the purpose of witnessing the plugging operations in the process of reabandonment.

DECISION: APPROVED.

NOTE: The required Class II2M blowout prevention equipment was inspected and approved on 11-16-99.

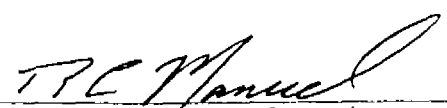
DEFICIENCIES NOTED AND CORRECTED:
Bad displacement mud on BFW SQZ.

CONTRACTOR: Allenco

DEC:nw

cc: Update

William F. Guerard, Jr.
State Oil and Gas Supervisor

By: 
For: R. K. Baker, Deputy Supervisor

STATE OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES

CARDS ☒

BOND ☒

OGD114 ☒

OGD121 ☒

Notice of Intention to Abandon Well

File in Duplicate

In compliance with Section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention to abandon

Well Jalk No. 114 API No. 037-15978 Sec. 6 T. 35 R. 11W S.B. B.&M.

Santa Fe Springs Field Los Angeles County, starting work on

The present condition of the well is

1. Total depth: 8,095 feet

2. Complete casing record, with plugs and perforations (present hole):

See Attached Drawings

3. Date last produced or injected: 5/1934

Additional data for dry hole (show depths)

1. Oil or gas shows:

2. Stratigraphic markers:

3. Formation and age at total depth:

4. Base of freshwater sands:

Is this a critical well according to the definition on the reverse side of this form (or on page 2 if you are using the Internet)?

☐ Yes ☒ No

The proposed work is as follows:

- 1) Clean out to 4,165 feet;
- 2) lay cement plug from 4,165 feet to 4,080 feet; STUB CULV - ADD 200' FOR PLUGS BELOW
- 3) pump mud from 4,080 feet to 2,400 feet;
- 4) place a cavity shot in 11 3/4 inch casing at 2,400 feet, pump cement and plug cavity shot up to 2,300 feet; 11 3/4
- 5) pump mud from 2,300 feet to 1,080 feet;
- 6) lay cement plug from 1,080 feet to 875 feet; STUB & BFW
- 7) pump mud from 875 feet to 106 feet;
- 8) lay cement surface plug from 106 feet to 6 feet below ground surface; and
- 9) cap and weld on I.D. plate.

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 3000 Pegasus Park Dr.

(Street)

Dallas, TX 75247

(City)

(State)

(Zip)

Telephone Number 214-951-2966

(Area Code)

(Number)

Mobil Foundation, Inc.

(Name of Operator)

By R. Edward Payne

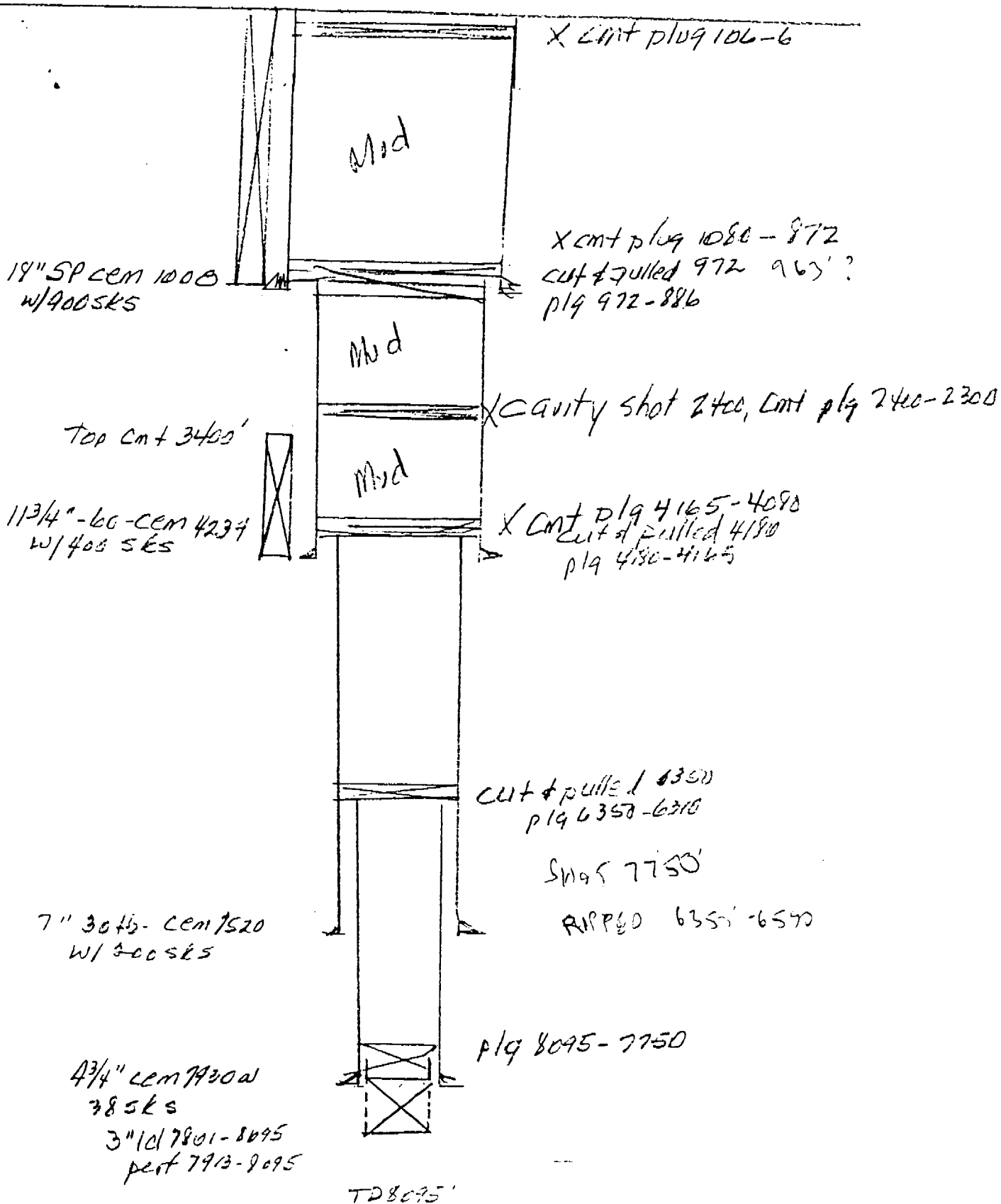
(Print Name)

[Signature]

(Signature)

9/17/99

(Date)



STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF MINES AND MINING
DEPARTMENT OF PETROLEUM AND GAS

SECTION 17 MINES & MINING
RECEIVED
SEP 17 1928
Department of Petroleum and Gas
100 W. WASHINGTON, SAN FRANCISCO

Notice of Intention to Drill New Well
This notice must be given before drilling begins

Mobil Oil Corp. Los Angeles, Cal. September 13, 1928 1928
Mr. E. Huguenin,
Deputy State Oil and Gas Supervisor
Los Angeles, Cal.

DEAR SIR:

In compliance with Section 17, Chapter 718, Statutes of 1915, as amended, notice is hereby given that it is our intention to commence the work of drilling well No. 114, Sec. 6, T. 3, R. 11, S.E. B. & M., Santa Fe Springs Oil Field, Los Angeles County. 45' S of N line & 450' W from C/L Norwalk Road. The well is feet N. or S., and feet E. or W. from (Give location in distance from section corners or other corners of legal subdivision)

The elevation of the derrick floor above sea level is 144.94 feet.

We propose to use the following strings of casing, either cementing or landing them as here indicated:

Size of Casing, Inches	Weight, Lb. Per Foot	New or Second Hand	Depth	Landed or Cemented
18	Stovepipe		1000	Cemented
11 1/2	61		4240	" Cont: 4260' Mod: 4240' Gulf side: Depth: 5860'
9	40	Approx.	5790	"
5 1/2	22	"	6100	Landed

It is understood that if changes in this plan become necessary we are to notify you before cementing or landing casing.

We estimate that the first productive oil or gas sand should be encountered at a depth of about feet, more or less.

Respectfully yours

Address General Petroleum Corp. of California
(Name of Company or Operator)
By R. C. Arayze
Telephone number

ADDRESS NOTICE TO DEPUTY STATE OIL AND GAS SUPERVISOR IN CHARGE OF DISTRICT WHERE WELL IS LOCATED

cc: W. L. McLaine

W. L. Borough
Reference to file of maps

9/19/28
B.B.N.

Lease consists of:

27	Files	Form
GGP	GGP	

SUBMIT IN DUPLICATE
STATE OF CALIFORNIA
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL AND GAS

Subsequent Work Report

OPERATOR General Petroleum Corp. of Calif. FIELD Santa Fe Springs
Well No. Jalk #114, Sec. 6, T. 36, R. 11W, S.B. B. & M.

In compliance with the provisions of Chapter 718, Statutes 1915, as amended, the information given herewith is a complete and correct record of all work done on the well since the previous record, dated May 6, 1936, was filed.

SIGNED _____
Date October 26, 1937 Title E. L. McNeill
(President, Secretary or Agent)

Outline in the order of performance, together with the dates thereof, all important operations which alter the condition of the well. Include such information as depth at which redrilling operations were started; size of hole redrilled or deepened; size of pipe, amount of perforations in casing, weight and length of casing landed or cemented or removed; number of sacks of cement used in cementing or plugging operations and exact position thereof. If the well was dynamited, give date, size, position and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position and results of pumping or bailing.

ABANDONMENT - with perfs open from 4265' to 4585'.

The last production from this well was in May 1934 when it pumped at a rate of 144 b/d of water, w/ no oil.

The well stood idle from May 1934 to May 8, 1936 when a company cable tool crew moved in to abandon the well.

The well was cleaned out to 4585'. A total of 120 sax of cement was dumped in stages from 4585' to 4220'. Hardness and location of cement plug at 4220' were approved by D.O.G.

A good vibration was obtained on 7" casing at 4200'. 7" casing was cut and pulled from 4184'. A wooden plug was driven into the top of the 7" casing at 4184', and 10 sax of cement was dumped, filling to 4125'.

The 11-3/4" casing was shot and pulled from 963'. The hole was cleaned out to 972', a 5' wooden plug was driven into the top of the 11-3/4" stub and a total of 141 sax of cement dumped in stages from 972' to 886'. Hardness and location of cement plug at 886' were witnessed and approved by D.O.G. on May 20, 1936.

Hole was filled to 735' with sand and 10 sax of cement was dumped at 735'. Top of the plug was found at 722'.

Top of the 18" stovepipe was plugged w/ 11 sax of cement.

Well was abandoned in this condition on May 21, 1936.

CASING LEFT IN HOLE:

18"	stovepipe cemented at 1008'	
11-3/4"	casing	" " 4239' W.S.O. Shot and pulled from 963'
7"	"	" " 7820' W.S.O. Indet. Perf. in hole; 4255-4600; reperf 4265-4565 & 4525-4585. Cut & pulled from 4184'.
4-3/4"	"	" " 7930'. P.P. Perf in hole 7530-7738. Cut & pulled from 6352'.
194' of 3"	"	landed " 8095' Bottom 182' perforated.

Total Depth - 8095'. Top of Last Plug - 722'

JUNK:

3" perforated casing from 7931' to 7954' - sidetracked.

ABANDONED: May 21, 1936

APPENDIX D
LIKELIHOOD STATEMENTS

APPENDIX D

LIKELIHOOD STATEMENTS

Many statements have been made in this report regarding the likelihood of the occurrence of certain adverse events. The term "likelihood," as used here, pertains to chances of a match between the prediction for the event and its actual occurrence. Likelihood statements are based on the professional judgments of ATC Associates Inc. A prediction made for the occurrence of an event will either match the actual occurrence or not. Uncertainty about the natural processes, lack of adequate scientific understanding of the physical and chemical interactions at the site, and insufficient data and information about the specific site conditions usually preclude a perfect or 100 percent likelihood of match between predictions and actual occurrences. Therefore, where a perfect match is not possible, the likelihood statement assigns a measure for a "degree of belief" or a "betting score" for the match between the prediction for the event and the actual event outcome.

The likelihood statements can be made either qualitatively, expressed verbally, or quantitatively, expressed in percent ranges. The qualitative terms expressed verbally, however, can be approximately related to percent ranges. The following approximate percent ranges have been used by ATC Associates Inc. for the qualitative terms used in likelihood statements.

QUALITATIVE TERMS	APPROXIMATE PERCENT RANGE
Very Low	Less than 10%
Low	10% to 20%
Low to Moderate	20% to 40%
Moderate	40% to 60%
Moderate to High	60% to 80%
High	80% to 90%
Very High	More than 90%

The following is a typical likelihood statement and its interpretation.

Statement: Based on site conditions, data collected, and current regulatory guidelines delineating a hazardous waste, it is the judgment of ATC Associates Inc. that there is a low likelihood that hazardous waste from the landfill has migrated to the site.

Interpretation of Statement: The statement reflects an extrapolation of a discrete data set to the entire site. This statement is made within the context of regulatory guidelines delineating hazardous wastes in effect at the time the statement is made. It is important to note that these guidelines periodically change; consequently, the judgment made corresponds to the guidelines cited in the report.

An extrapolation made from a discrete data set precludes making a statement with certainty that the event has occurred (i.e., one cannot really say with 100 percent certainty that hazardous waste from the landfill has not migrated to the site). Therefore, a professional judgment is made for the event that is expressed in terms of the likelihood (less than 100 percent) that the event either has or has not occurred.

The statement given above renders a professional judgment that there is a low likelihood that the event has occurred. The above statement could also have been expressed as "there is a high likelihood that hazardous waste from the landfill has not migrated to the site."